

Refine Search

Search Results -

Term	Documents
ABC	32908
ABCS	115
TRANSPORTER	30158
TRANSPORTERS	7184
(6 AND (ABC ADJ TRANSPORTER)).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	1
(L6 AND ABC TRANSPORTER).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	1

Database: US Pre-Grant Publication Full-Text Database
 US Patents Full-Text Database
 US OCR Full-Text Database
 EPO Abstracts Database
 JPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

Search:

Search History

DATE: Monday, January 12, 2004 [Printable Copy](#) [Create Case](#)

<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
		result set	
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>			
<u>L11</u>	l6 and abc transporter	1	<u>L11</u>
<u>L10</u>	l7 and abc transporter	1	<u>L10</u>
<u>L9</u>	nakamtsu-tsuyoshi.in.	0	<u>L9</u>
<u>L8</u>	nakamtsu-tsuyoshi.in.L7	0	<u>L8</u>
<u>L7</u>	matsui-kazuhiko.in.	103	<u>L7</u>
<u>L6</u>	kimura-eiichiro.in.	73	<u>L6</u>
<u>L5</u>	kanno-sohei.in.	5	<u>L5</u>

<u>L4</u>	l2 and gltbd	0	<u>L4</u>
<u>L3</u>	L2 and gogat	4	<u>L3</u>
<u>L2</u>	L1 and atpase	235	<u>L2</u>
<u>L1</u>	abc transporter	587	<u>L1</u>

END OF SEARCH HISTORY

FILE 'MEDLINE'
FILE 'JAPIO'
FILE 'BIOSIS'
FILE 'SCISEARCH'
FILE 'WPIDS'
FILE 'CAPLUS'
FILE 'EMBASE'
=> s abc transporter
L1 8843 ABC TRANSPORTER

=> s l1 and atpase
L2 1061 L1 AND ATPASE

=> s l2 and (gogat or gltbd)
L3 0 L2 AND (GOGAT OR GLTBD)

=> s l1 and (gogat or gltbd)
L4 1 L1 AND (GOGAT OR GLTBD)

=> d 14

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2000:441941 CAPLUS
DN 133:69806
TI ***ABC*** ***transporter*** homologs from Brevibacterium
lactofermentum and genes encoding them
IN Kanno, Sohei; Kimura, Eiichiro; Matsui, Kazuhiko; Nakamatsu,
Tsuyoshi
PA Ajinomoto Co., Inc., Japan
SO PCT Int. Appl., 34 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1
PATENT NO. KIND DATE APPLICATION NO. DATE

PI WO 2000037647 A1 20000629 WO 1999-JP7079 19991216
W: AE, AL, AU, BA, BB, BG, BR, CA, CN, CR, CU, CZ, DM,
EE, GD, GE,
HR, HU, ID, IL, IN, IS, JP, KR, LC, LK, LR, LT, LV, MA, MG,
MK,
MN, MX, NO, NZ, PL, RO, SG, SI, SK, TR, TT, UA, US, UZ,
VN, YU,
ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE,
CH, CY, DE,
DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,
CF,
CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
PRAJ JP 1998-360621 A 19981218
RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR
THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> dup rem l2
PROCESSING COMPLETED FOR L2
L5 433 DUP REM L2 (628 DUPLICATES REMOVED)

=> d 15 ibib 1-100

L5 ANSWER 1 OF 433 MEDLINE on STN DUPLICATE
1
ACCESSION NUMBER: 2004003003 IN-PROCESS
DOCUMENT NUMBER: PubMed ID: 14698290
TITLE: The rad50 signature motif: essential to ATP binding and
biological function.
AUTHOR: Moncalian Gabriel; Lengsfeld Bettina; Bhaskara
Venugopal;
Hopfner Karl Peter; Karcher Annette; Alden Erin; Tainer
John A; Paull Tanya T
CORPORATE SOURCE: The Scripps Research Institute, 10550 North
Torrey Pines
Rd., MB4, 92037, La Jolla, CA, USA.
SOURCE: Journal of molecular biology, (2004 Jan 23) 335 (4)
937-51.

Journal code: 2985088R. ISSN: 0022-2836.

PUB. COUNTRY: England: United Kingdom
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: IN-DATA-REVIEW; IN-PROCESS;
NONINDEXED: Priority Journals
ENTRY DATE: Entered STN: 20040106
Last Updated on STN: 20040106

L5 ANSWER 2 OF 433 WPIDS COPYRIGHT 2004 THOMSON
DERWENT on STN
ACCESSION NUMBER: 2003-903674 [82] WPIDS
DOC. NO. CPI: C2003-257103
TITLE: New nucleic acid composition for expression of a
functional member of the ATP-binding cassette (ABC)
subfamily of ***ABC*** ***transporters*** in a
host cell, useful in treating a mammal in need of the
member of the ABCA subfamily of ***ABC***
transporters.

DERWENT CLASS: B04 D16
INVENTOR(S): AHN, J; HAUSWIRTH, W S; MOLDAY, R S
PATENT ASSIGNEE(S): UYBR-N UNIV BRITISH COLUMBIA
COUNTRY COUNT: 103
PATENT INFORMATION:

PATENT NO. KIND DATE WEEK LA PG

WO 2003093468 A2 20031113 (200382)* EN 40
RW: AT BE BG CH CY CZ DE DK EA EE ES FI FR GB GH GM
GR HU IE IT KE LS
LU MC MW MZ NL OA PT RO SD SE SI SK SL TZ UG US

ZM ZW
W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN
CO CR CU CZ DE DK
DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP
KE KG KP KR
KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ
NI NO NZ OM PH PL
PT RO RU SC SD SE SG SK SL TJ TM TN TR TT TZ UA UG
US UZ VC VN YU
ZA ZM ZW

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
WO 2003093468 A2	WO 2003-CA633	20030506	

PRIORITY APPLN. INFO: US 2002-391644P 20020627; CA
2002-2385110
20020506

L5 ANSWER 3 OF 433 WPIDS COPYRIGHT 2004 THOMSON
DERWENT on STN
ACCESSION NUMBER: 2003-278478 [27] WPIDS
DOC. NO. CPI: C2003-072810
TITLE: New polynucleotide sequences from Ashbya gossypii,
useful

for improving response of A. gossypii to external factors
and particularly for improving production of vitamin B2.

DERWENT CLASS: B02 D16 E13
INVENTOR(S): ALTHOEFER, H; DOVAL REVUELTA, J L;
KAROS, M; KROEGER, B;

REVUELTA DOVAL, J L

PATENT ASSIGNEE(S): (BADI) BASF AG

COUNTRY COUNT: 100

PATENT INFORMATION:

PATENT NO. KIND DATE WEEK LA PG

WO 2003014353 A2 20030220 (200327)* GE 79
RW: AT BE BG CH CY CZ DE DK EA EE ES FI FR GB GH GM
GR IE IT KE LS LU
MC MW MZ NL OA PT SD SE SK SL SZ TR TZ UG ZM ZW
W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN
CO CR CU CZ DE DK
DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP
KE KG KP KR
KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ
NO NZ OM PH PL
RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US
UZ VN YU ZA ZM
ZW
DE 10139455 A1 20030220 (200327)

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
WO 2003014353 A2	WO 2002-EP8937	20020809	
DE 10139455 A1	DE 2001-10139455	20010810	

PRIORITY APPLN. INFO: DE 2002-10234455 20020729; DE
2001-10139454

20010810; DE 2001-10139455 20010810; DE
2001-10139457 20010810; DE 2001-10139458
20010810; DE 2001-10139459 20010810; DE
2001-10139460 20010810; DE 2001-10139461
20010810; DE 2001-10139462 20010810; DE
2001-10139463 20010810; DE 2001-10139464
20010810; DE 2002-10209816 20020306; DE
2002-10209819 20020306; DE 2002-10216033
20020411; DE 2002-10221909 20020516; DE
2002-10221911 20020516; DE 2002-10221928
20020516; DE 2002-10225390 20020607; DE
2002-10225392 20020607; DE 2002-10227796 20020621

L5 ANSWER 4 OF 433 WPIDS COPYRIGHT 2004 THOMSON
DERWENT on STN

ACCESSION NUMBER: 2003-210225 [20] WPIDS
DOC. NO. CPI: C2003-053605

TITLE: Identifying a compound capable of inhibiting HIV
infection in a cell, useful for treating or preventing
HIV infection, comprises identifying an inhibitor of a
target in the human host cell.

DERWENT CLASS: B04 D16

INVENTOR(S): DUNN, S J; HOLZMAYER, A; HOLZMAYER, T
A
PATENT ASSIGNEE(S): (DUNN-J) DUNN S J; (HOLZ-I)
HOLZMAYER A; (HOLZ-I)
HOLZMAYER T A; (SUBS-N) SUBSIDIARY NO 3
COUNTRY COUNT: 100

PATENT INFORMATION:

PATENT NO. KIND DATE WEEK LA PG

WO 200302528 A2 20030109 (200320)* EN 44
RW: AT BE BG CH CY CZ DE DK EA EE ES FI FR GB GH GM
GR IE IT KE LS LU
MC MW MZ NL OA PT SD SE SK SL SZ TR TZ UG ZM ZW
W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN
CO CR CU CZ DE DK
DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP
KE KG KP KR
KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ
NO NZ OM PH PL PT
RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US

UZ VN YU ZA ZM

ZW
US 2003087273 A1 20030508 (200337)

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
WO 200302528 A2	WO 2002-US20964	20020701	
US 2003087273 A1	US 2001-302157P	20010629	
	Provisional	US 2001-313252P	20010817
	Provisional	US 2002-186593	20020701

PRIORITY APPLN. INFO: US 2001-313252P 20010817; US
2001-302157P
20010629; US 2002-186593 20020701

L5 ANSWER 5 OF 433 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2003-913280 CAPLUS

DOCUMENT NUMBER: 139.379453

TITLE: Genes showing altered patterns of expression in
multiple sclerosis and their diagnostic and
therapeutic uses

INVENTOR(S): Dangond, Fernando; Hwang, Dahee

PATENT ASSIGNEE(S): Brigham and Women's Hospital, Inc., USA

SOURCE: PCT Int. Appl., 148 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2003095618	A2	20031120	WO 2003-US14462	20030507
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,	CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,	GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,	LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM,	PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT,
TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ,	MD, RU, TJ, TM	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG,	CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC,	NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG				

PRIORITY APPLN. INFO.: US 2002-379284P P 20020509
US 2003-430762 A1 20030506

L5 ANSWER 6 OF 433 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2003-356260 CAPLUS

DOCUMENT NUMBER: 138.362654

TITLE: Opioid inhibitors of ABC drug transporters in cancer

cells, and use in cancer treatment

INVENTOR(S): Schoenhard, Grant L.

PATENT ASSIGNEE(S): Pain Therapeutics, Inc., USA

SOURCE: PCT Int. Appl., 102 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

WO 200307340	A1	20030508	WO 2002-US17092	20020530
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,	CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,	GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,	LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,	PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,
UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU,	TJ, TM	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH,	CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,	BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
US 2003144312	A1	20030731	US 2001-3215	20011030
PRIORITY APPLN. INFO.:				
OTHER SOURCE(S): MARPAT 138.362654				
REFERENCE COUNT: 5				
THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT				

L5 ANSWER 7 OF 433 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2003-356232 CAPLUS

DOCUMENT NUMBER: 138.362635

TITLE: Opioid inhibitors of ABC drug transporters in
microbial cells, and use with antimicrobial compounds

for the treatment of microbial infections
INVENTOR(S): Schoenhard, Grant L.
PATENT ASSIGNEE(S): Pain Therapeutics, Inc., USA
SOURCE: PCT Int. Appl., 131 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
WO 2003037310	A2	20030508	WO 2002-US17153	20020531	
WO 2003037310	A3	20030918			
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG	US 2003130171	A1	20030710	US 2001-107	20011030
PRIORITY APPLN. INFO.:			US 2001-107	A	20011030
OTHER SOURCE(S):	MARPAT	138:362635			

L5 ANSWER 8 OF 433 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2003:76935 CAPLUS
DOCUMENT NUMBER: 138:150361
TITLE: Protein and cDNA sequences of *Arabidopsis thaliana* peroxisomal fatty acid transporter and regulation of peroxisomal fatty acid transport in plants
INVENTOR(S): Baker, Alison; Slocombe, Stephen; Graham, Ian
PATENT ASSIGNEE(S): University of Leeds, UK
SOURCE: PCT Int. Appl., 56 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE		
WO 2003008597	A2	20030130	WO 2002-GB3334	20020719		
WO 2003008597	A3	20030501				
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG	GB 2001-17727	A	20010720	GB 2002-7883	A	20020405
PRIORITY APPLN. INFO.:						

L5 ANSWER 9 OF 433 MEDLINE on STN DUPLICATE 2
ACCESSION NUMBER: 2003605679 IN-PROCESS
DOCUMENT NUMBER: PubMed ID: 14514697
TITLE: Characterization of the soluble domain of the ABC7 type transporter Atm1.
AUTHOR: Chen Chun-An; Cowan J A
CORPORATE SOURCE: Evans Laboratory of Chemistry, Ohio State University, Columbus, Ohio 43210, USA.
SOURCE: Journal of biological chemistry, (2003 Dec 26) 278 (52) 52681-8.
Journal code: 2985121R. ISSN: 0021-9258.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: IN-PROCESS; NONINDEXED; Priority Journals
ENTRY DATE: Entered STN: 20031223
Last Updated on STN: 20040106

L5 ANSWER 10 OF 433 MEDLINE on STN DUPLICATE 3
ACCESSION NUMBER: 2003537489 IN-PROCESS
DOCUMENT NUMBER: PubMed ID: 12968023
TITLE: The conserved glutamate residue adjacent to the Walker-B motif is the catalytic base for ATP hydrolysis in the ATP-binding cassette transporter BmrA.
AUTHOR: Orelle Cedric; Dalmas Olivier; Gros Philippe; Di Pietro

Attilio; Jault Jean-Michel
CORPORATE SOURCE: Institut de Biologie et Chimie des Proteines, UMR 5086
CNRS-UCBL1 and IFR 128, 7 passage du Vercors, 69367 Lyon Cedex 07, France.
SOURCE: Journal of biological chemistry, (2003 Nov 21) 278 (47) 47002-8.
Journal code: 2985121R. ISSN: 0021-9258.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: IN-PROCESS; NONINDEXED; Priority Journals
ENTRY DATE: Entered STN: 20031118
Last Updated on STN: 20031219

L5 ANSWER 11 OF 433 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED. on STN
ACCESSION NUMBER: 2003411390 EMBASE
TITLE: Functional interaction between the two halves of the photoreceptor-specific ATP binding cassette protein ABCR (ABCA4). Evidence for a non-exchangeable ADP in the first nucleotide binding domain.
AUTHOR: Ahn J.; Beharry S.; Molday R.L.
CORPORATE SOURCE: R.S. Molday, Dept. of Biochem. and Molec. Biology, 2146 Health Sciences Mall, University of British Columbia, Vancouver, BC V6T 1Z3, Canada.
molday@interchange.ubc.ca
SOURCE: Journal of Biological Chemistry, (10 Oct 2003) 278/41 (39600-39608).
Refs: 50
ISSN: 0021-9258 CODEN: JBCHA3
COUNTRY: United States
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 012 Ophthalmology
029 Clinical Biochemistry
LANGUAGE: English
SUMMARY LANGUAGE: English

L5 ANSWER 12 OF 433 MEDLINE on STN DUPLICATE 4
ACCESSION NUMBER: 2003437761 MEDLINE
DOCUMENT NUMBER: 22841063 PubMed ID: 12813052
TITLE: Disulfide cross-linking reveals a site of stable interaction between C-terminal regulatory domains of the two MalK subunits in the maltose transport complex.
AUTHOR: Samanta Susmita; Ayvaz Tulin; Reyes Moriana; Shuman Howard
A; Chen Jue; Davidson Amy L
CORPORATE SOURCE: Department of Molecular Virology and Microbiology, Baylor College of Medicine, Houston, Texas 77030, USA.
CONTRACT NUMBER: GM49261 (NIGMS)
SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (2003 Sep 12) 278 (37) 35265-71.
Journal code: 2985121R. ISSN: 0021-9258.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200311
ENTRY DATE: Entered STN: 20030923
Last Updated on STN: 20031113
Entered Medline: 20031112

L5 ANSWER 13 OF 433 MEDLINE on STN DUPLICATE 5
ACCESSION NUMBER: 2003420744 MEDLINE
DOCUMENT NUMBER: 22841171 PubMed ID: 12842882
TITLE: The ATP binding cassette multidrug transporter LmrA and lipid transporter MsbA have overlapping substrate specificities.
AUTHOR: Reuter Galya; Janvilisri Tavan; Venter Henrietta; Shahi Sanjay; Balakrishnan Lekshmy; van Veen Hendrik W
CORPORATE SOURCE: Department of Pharmacology, University of Cambridge, Cambridge CB2 1PD, United Kingdom.

SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (2003 Sep 12) 278 (37) 35193-8.
Journal code: 2985121R. ISSN: 0021-9258.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200311
ENTRY DATE: Entered STN: 20030909
Last Updated on STN: 20031113
Entered Medline: 20031112

L5 ANSWER 14 OF 433 MEDLINE on STN DUPLICATE 6
ACCESSION NUMBER: 2003328029 MEDLINE
DOCUMENT NUMBER: 22741743 PubMed ID: 12746444
TITLE: The ATP hydrolysis cycle of the nucleotide-binding domain of the mitochondrial ATP-binding cassette transporter Mdl1p.
AUTHOR: Janas Eva; Hofacker Matthias; Chen Min; Gompf Simone; van der Does Chris; Tampe Robert
CORPORATE SOURCE: Institute of Biochemistry, Biocenter, J. W. Goethe-University, Marie-Curie-Str. 9, D-60439 Frankfurt a.M., Germany.

SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (2003 Jul 18) 278 (29) 26862-9.
Journal code: 2985121R. ISSN: 0021-9258.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200308
ENTRY DATE: Entered STN: 20030715
Last Updated on STN: 20030828
Entered Medline: 20030827

L5 ANSWER 15 OF 433 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN
ACCESSION NUMBER: 2003:532912 SCISEARCH
THE GENUINE ARTICLE: 6890F
TITLE: P-glycoprotein catalytic mechanism - Studies of the ADP-vanadate inhibited state.
AUTHOR: Urbatsch I.J.; Tyndall G.A.; Tombline G.; Senior A.E. (Reprint)
CORPORATE SOURCE: Univ Rochester, Med Ctr, Dept Biochem & Biophys, Box 712, Rochester, NY 14642 USA (Reprint); Univ Rochester, Med Ctr, Dept Biochem & Biophys, Rochester, NY 14642 USA
COUNTRY OF AUTHOR: USA
SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (2003 Jun) Vol. 278, No. 25, pp. 23171-23179.
Publisher: AMER SOC BIOCHEMISTRY MOLECULAR BIOLOGY INC, 9650 ROCKVILLE PIKE, BETHESDA, MD 20814-3996 USA.
ISSN: 0021-9258.
DOCUMENT TYPE: Article; Journal
LANGUAGE: English
REFERENCE COUNT: 56
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L5 ANSWER 16 OF 433 MEDLINE on STN DUPLICATE 7
ACCESSION NUMBER: 2003254109 MEDLINE
DOCUMENT NUMBER: PubMed ID: 12668685
TITLE: Sterol transport by the human breast cancer resistance protein (ABCG2) expressed in *Lactococcus lactis*.
AUTHOR: Janvilisri Tavan; Venter Henrietta; Shahi Sanjay; Reuter Galya; Balakrishnan Lekshmy; van Veen Hendrik W
CORPORATE SOURCE: Department of Pharmacology, University of Cambridge, Tennis Court Road, Cambridge CB2 1PD, United Kingdom.
SOURCE: Journal of biological chemistry, (2003 Jun 6) 278 (23) 20645-51.
Journal code: 2985121R. ISSN: 0021-9258.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200307
ENTRY DATE: Entered STN: 20030603
Last Updated on STN: 20030719
Entered Medline: 20030718

L5 ANSWER 17 OF 433 MEDLINE on STN DUPLICATE 8
ACCESSION NUMBER: 2003518855 IN-PROCESS
DOCUMENT NUMBER: PubMed ID: 14596601
TITLE: Analysis of catalytic carboxylate mutants E552Q and E119T
suggests asymmetric ATP hydrolysis by the two nucleotide-binding domains of P-glycoprotein.
AUTHOR: Carrier Isabelle; Julian Michel; Girois Philippe
CORPORATE SOURCE: Department of Biochemistry and McGill Cancer Centre, McGill University, Montreal, Quebec, Canada H3G 1Y6.
SOURCE: Biochemistry, (2003 Nov 11) 42 (44) 12875-85.
Journal code: 0370623. ISSN: 0006-2960.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: IN-PROCESS; NONINDEXED; Priority Journals
ENTRY DATE: Entered STN: 20031105
Last Updated on STN: 20031219

L5 ANSWER 18 OF 433 MEDLINE on STN DUPLICATE 9
ACCESSION NUMBER: 2003422557 MEDLINE
DOCUMENT NUMBER: 22843541 PubMed ID: 12962507
TITLE: Purification and characterization of the N-terminal nucleotide binding domain of an ABC drug transporter of *Candida albicans*: uncommon cysteine 193 of Walker A is critical for ATP hydrolysis.
AUTHOR: Jha Sudhakar; Karnani Neerja; Dhar Suman K; Mukhopadhyay Kasturi; Shukla Suneet; Saini Preeti; Mukhopadhyay Gauranga; Prasad Rajendra
CORPORATE SOURCE: Membrane Biology Laboratory, School of Life Sciences, Jawaharlal Nehru University, New Delhi, India 110067.
SOURCE: BIOCHEMISTRY, (2003 Sep 16) 42 (36) 10822-32.
Journal code: 0370623. ISSN: 0006-2960.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200310
ENTRY DATE: Entered STN: 20030910
Last Updated on STN: 20031015

Entered Medline: 20031014

L5 ANSWER 19 OF 433 MEDLINE on STN DUPLICATE

10 ACCESSION NUMBER: 2003422551 MEDLINE

DOCUMENT NUMBER: 22843527 PubMed ID: 12962493

TITLE: Functional analysis of genetic mutations in nucleotide binding domain 2 of the human retina specific ***ABC*** ***transporter***.

AUTHOR: Biswas-Fiss Esther E

CORPORATE SOURCE: Program in Biotechnology, Department of Bioscience

Technologies, Jefferson College of Health Professions, Thomas Jefferson University, Philadelphia, Pennsylvania 19107, USA.. Esther.Biswas@jefferson.edu

CONTRACT NUMBER: EY01313 (NEI)

SOURCE: BIOCHEMISTRY, (2003 Sep 16) 42 (36) 10683-96.

Journal code: 0370623, ISSN: 0006-2960.

PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 200310

ENTRY DATE: Entered STN: 20030910

Last Updated on STN: 20031015

Entered Medline: 20031014

L5 ANSWER 20 OF 433 SCISEARCH COPYRIGHT 2004

THOMSON ISI on STN

ACCESSION NUMBER: 2003:237836 SCISEARCH

THE GENUINE ARTICLE: 653ZK

TITLE: Three-dimensional structures of the mammalian multidrug resistance P-glycoprotein demonstrate major conformational changes in the transmembrane domains upon nucleotide binding

AUTHOR: Rosenberg M P; Kamis A B; Callaghan R; Higgins C F; Ford R

C (Reprint)

CORPORATE SOURCE: Univ Manchester, Inst Sci & Technol, Dept Biomol Sci,

Manchester M60 1QD, Lancs, England (Reprint); Univ

Oxford,

John Radcliffe Hosp, Dept Clin Lab Sci, Oxford OX3 9DU, England; Univ London Imperial Coll Sci Technol & Med, Fac Med, MRC, Ctr Clin Sci, London W12 0NN, England

COUNTRY OF AUTHOR: England

SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (7 MAR 2003) Vol. 278,

No. 10, pp. 8294-8299.

Publisher: AMER SOC BIOCHEMISTRY MOLECULAR BIOLOGY INC,

9650 ROCKVILLE PIKE, BETHESDA, MD 20814-3996

USA.

ISSN: 0021-9258.

DOCUMENT TYPE: Article; Journal

LANGUAGE: English

REFERENCE COUNT: 45

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L5 ANSWER 21 OF 433 SCISEARCH COPYRIGHT 2004

THOMSON ISI on STN

ACCESSION NUMBER: 2003:550625 SCISEARCH

THE GENUINE ARTICLE: 695FV

TITLE: Communication between the nucleotide binding domains of

P-glycoprotein occurs via conformational changes that involve residue 508

AUTHOR: Gabriel M P; Storm J; Rothnie A; Taylor A M; Linton K J;

Kerr I D; Callaghan R (Reprint)

CORPORATE SOURCE: Univ Oxford, John Radcliffe Hosp, Nuffield Dept Clin Lab

Sci, Oxford OX3 9DU, England (Reprint); Univ London Imperial Coll Sci Technol & Med, Hammersmith Hosp, Sch Med, MRC Clin Sci Ctr, London W12 0NN, England; Univ Nottingham, Queens Med Ctr, Sch Biomed Sci, Nottingham

NG7

2UH, England

COUNTRY OF AUTHOR: England

SOURCE: BIOCHEMISTRY, (1 JUL 2003) Vol. 42, No. 25, pp. 7780-7789.

Publisher: AMER CHEMICAL SOC, 1155 16TH ST, NW, WASHINGTON, DC 20036 USA.

ISSN: 0006-2960.

DOCUMENT TYPE: Article; Journal

LANGUAGE: English

REFERENCE COUNT: 50

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L5 ANSWER 22 OF 433 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED. on STN

ACCESSION NUMBER: 2003269590 EMBASE

TITLE: A viral RNA that binds ATP and contains a motif similar to an ATP-binding aptamer from SELEX.

AUTHOR: Shu D; Guo P.

CORPORATE SOURCE: P. Guo, Purdue Cancer Center, Purdue University, B-36

Hansen Life Sci. Research Bldg., West Lafayette, IN 47907, United States, guop@purdue.edu

SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (28 Feb 2003) 278/9 (7119-7125).

Refs: 54

ISSN: 0021-9258 CODEN: JBCHA3

COUNTRY: United States

DOCUMENT TYPE: Journal; Article

FILE SEGMENT: 029 Clinical Biochemistry

LANGUAGE: English

SUMMARY LANGUAGE: English

L5 ANSWER 23 OF 433 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED. on STN

ACCESSION NUMBER: 2003202633 EMBASE

TITLE: Importance of the D and E helices of the molecular chaperone DnaK for ATP binding and substrate release.

AUTHOR: Slepnev S.V.; Patchen B.; Peterson K.M.; Witt S.N.

CORPORATE SOURCE: S.N. Witt, Department of Biochemistry, Louisiana St. Univ.

High. Sci. Ctr., 1501 Kings Highway, Shreveport, LA

71130-3932, United States, switt1@lsuhsc.edu

SOURCE: Biochemistry, (20 May 2003) 42/19 (5867-5876).

Refs: 50

ISSN: 0006-2960 CODEN: BICHAW

COUNTRY: United States

DOCUMENT TYPE: Journal; Article

FILE SEGMENT: 029 Clinical Biochemistry

LANGUAGE: English

SUMMARY LANGUAGE: English

L5 ANSWER 24 OF 433 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED. on STN

ACCESSION NUMBER: 2003270130 EMBASE

TITLE: Intermediate structural states involved in MRP1-mediated drug transport. Role of glutathione.

AUTHOR: Manciu L; Chang X.-B.; Buyse F.; Hou Y.-X.; Gustot A.;

Riordan J.R.; Ruysschaert J.M.

CORPORATE SOURCE: J.M. Ruysschaert, Lab. Struct. Fonct.

Membranes Biol., Free

University of Brussels, Bd. du Triomphe, B-1050 Brussels, Belgium, jmyuys@ulb.ac.be

SOURCE: Journal of Biological Chemistry, (31 Jan 2003) 278/5 (3347-3356).

Refs: 67

ISSN: 0021-9258 CODEN: JBCHA3

COUNTRY: United States

DOCUMENT TYPE: Journal; Article

FILE SEGMENT: 029 Clinical Biochemistry

LANGUAGE: English

SUMMARY LANGUAGE: English

L5 ANSWER 25 OF 433 SCISEARCH COPYRIGHT 2004

THOMSON ISI on STN

ACCESSION NUMBER: 2003:1097155 SCISEARCH

THE GENUINE ARTICLE: 752EM

TITLE: Transition metal transporters in plants

AUTHOR: Hall J L (Reprint); Williams L E

CORPORATE SOURCE: Univ Southampton, Sch Biol Sci, Biomed Sci Bldg, Bassett

Crescent E, Southampton SO16 7PX, Hants, England

(Reprint); Univ Southampton, Sch Biol Sci, Southampton SO16 7PX, Hants, England

COUNTRY OF AUTHOR: England

SOURCE: JOURNAL OF EXPERIMENTAL BOTANY, (DEC 2003) Vol. 54, No.

393, pp. 2601-2613.

Publisher: OXFORD UNIV PRESS, GREAT CLarendon ST, OXFORD, OX2 6DP, ENGLAND.

ISSN: 0022-0957.

DOCUMENT TYPE: General Review; Journal

LANGUAGE: English

REFERENCE COUNT: 111

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L5 ANSWER 26 OF 433 MEDLINE on STN DUPLICATE

11

ACCESSION NUMBER: 2003580788 MEDLINE

DOCUMENT NUMBER: PubMed ID: 14563687

TITLE: An atomic detail model for the human ATP binding cassette transporter P-glycoprotein derived from disulfide cross-linking and homology modeling.

AUTHOR: Stenham Daniella R; Campbell Jeff D; Sansom Mark S P;

Higgins Christopher F; Kerr Ian D; Linton Kenneth J

CORPORATE SOURCE: MRC Clinical Sciences Centre, Imperial College School of

Medicine, Hammersmith Hospital Campus, London, UK.

SOURCE: FASEB journal : official publication of the Federation of American Societies for Experimental Biology, (2003 Dec) 17 (15) 2287-9.

Journal code: 8804484. ISSN: 1530-6860.

PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 200401

ENTRY DATE: Entered STN: 20031216

Last Updated on STN: 20040107

Entered Medline: 20040106

L5 ANSWER 27 OF 433 SCISEARCH COPYRIGHT 2004

THOMSON ISI on STN DUPLICATE

12

ACCESSION NUMBER: 2003:992127 SCISEARCH

THE GENUINE ARTICLE: 742LC

TITLE: Multiple flavonoid-binding sites within multidrug resistance protein MRP1

AUTHOR: Trompier D; Baubichon-Cortay H; Chang X B;

Maitrejean M;

Barron D; Riordan J R; Di Pietro A (Reprint)

CORPORATE SOURCE: Univ Lyon 1, CNRS, UMR 5086, Inst Biol & Chim Prot, IFR

128, 7 Passage Vercors, F-69367 Lyon 07, France (Reprint); Univ Lyon 1, CNRS, UMR 5086, Inst Biol & Chim Prot, IFR

128, F-69367 Lyon 07, France; Mayo Clin Scottsdale, AZ USA; Univ Lyon 1, Johnson Med Res Ctr, Scottsdale, AZ USA; Univ Lyon 1,

Lab

Prod Nat, Villeurbanne, France

COUNTRY OF AUTHOR: France; USA

SOURCE: CELLULAR AND MOLECULAR LIFE SCIENCES, (OCT 2003) Vol. 60,

No. 10, pp. 2164-2177.

Publisher: BIRKHAUSER VERLAG AG,

VIADUKSTRASSE 40-44, PO

BOX 133, CH-4010 BASEL, SWITZERLAND.

ISSN: 1420-682X.

DOCUMENT TYPE: Article; Journal

LANGUAGE: English

REFERENCE COUNT: 57

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L5 ANSWER 28 OF 433 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS

RESERVED. on STN

ACCESSION NUMBER: 2003343038 EMBASE

TITLE: Intrinsic contributions of polar amino acid residues toward thermal stability of an ABC- ***ATPase*** of mesophilic origin.

AUTHOR: Sarin J; Raghava G.P.S.; Chakraborti P.K.

CORPORATE SOURCE: P.K. Chakraborti, Institute of Microbial Technology, Sector

39A, Chandigarh 160 036, India. pradip@imtech.res.in

SOURCE: Protein Science, (1 Sep 2003) 12/9 (2118-2120).

Refs: 14

ISSN: 0961-8368 CODEN: PRCLIE

COUNTRY: United States

DOCUMENT TYPE: Journal; Article

FILE SEGMENT: 029 Clinical Biochemistry

LANGUAGE: English

SUMMARY LANGUAGE: English

L5 ANSWER 29 OF 433 MEDLINE on STN DUPLICATE

13

ACCESSION NUMBER: 2003105650 MEDLINE

DOCUMENT NUMBER: 22505648 PubMed ID: 12618453

TITLE: Operon structure and regulation of the nos gene region of *Pseudomonas stutzeri*, encoding an ABC-Type ***ATPase*** for maturation of nitrous oxide reductase.

AUTHOR: Honisch Ulrike; Zumft Walter G

CORPORATE SOURCE: Lehrstuhl für Mikrobiologie, Universität Karlsruhe, D-76128 Karlsruhe, Germany.

SOURCE: JOURNAL OF BACTERIOLOGY, (2003 Mar) 185 (6)

1895-902.

Journal code: 2985120R. ISSN: 0021-9193.

PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 200303

ENTRY DATE: Entered STN: 20030306

Last Updated on STN: 20030401

Entered Medline: 20030331

L5 ANSWER 30 OF 433 SCISEARCH COPYRIGHT 2004

THOMSON ISI on STN

ACCESSION NUMBER: 2003:221457 SCISEARCH

THE GENUINE ARTICLE: 651AJ

TITLE: Warl1, a novel transcription factor controlling weak acid stress response in yeast

AUTHOR: Kren A; Mannun Y M; Bauer B E; Schuller C;

Wolfgar H;

Hatzixanthis K; Mollapour M; Gregori C; Piper P; Kuchler K (Reprint)

CORPORATE SOURCE: Univ Vienna, Dept Mol Genet, Inst Med Biochem, Dr Bohr Gasse 9-2, A-1030 Vienna, Austria (Reprint); Univ Vienna, Dept Mol Genet, Inst Med Biochem, A-1030 Vienna, Austria;

Austria; BioCtr Vienna, A-1030 Vienna, Austria; Univ Coll London, Dept Biochem & Mol Biol, London WC1E 6BT, England

COUNTRY OF AUTHOR: Austria; England

SOURCE: MOLECULAR AND CELLULAR BIOLOGY, (MAR 2003) Vol. 23, No. 5,

pp. 1775-1785.

Publisher: AMER SOC MICROBIOLOGY, 1752 N ST NW,

WASHINGTON, DC 20036-2904 USA.

ISSN: 0270-7306.

DOCUMENT TYPE: Article; Journal

LANGUAGE: English

REFERENCE COUNT: 48

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L5 ANSWER 31 OF 433 MEDLINE on STN DUPLICATE

14

ACCESSION NUMBER: 2003017881 MEDLINE

DOCUMENT NUMBER: 22412228 PubMed ID: 12418206

TITLE: Drug binding in human P-glycoprotein causes conformational changes in both nucleotide-binding domains.

AUTHOR: Loo Tip W; Bartlett M Claire; Clarke David M

CORPORATE SOURCE: Canadian Institutes for Health Research Group in Membrane

Biology, Departments of Medicine and Biochemistry,
University of Toronto, Toronto, Ontario M5S 1A8, Canada.
CONTRACT NUMBER: CA80900 (NCI)
SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (2003
Jan 17) 278 (3)
1575-8.
Journal code: 2985121R. ISSN: 0021-9258.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200302
ENTRY DATE: Entered STN: 20030114
Last Updated on STN: 20030215
Entered Medline: 20030214

L5 ANSWER 32 OF 433 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 2003:504037 BIOSIS
DOCUMENT NUMBER: PREV200300499299
TITLE: Envisioning DNA repair coordination by PCNA and Mc11 complexes.

AUTHOR(S): Tainer, John A. [Reprint Author]
CORPORATE SOURCE: Scripps Research Institute, La Jolla, CA, USA
SOURCE: Proceedings of the American Association for Cancer Research Annual Meeting, (July 2003) Vol. 44, pp. 1378, print.
Meeting Info: 94th Annual Meeting of the American Association for Cancer Research. Washington, DC, USA. July 11-14, 2003.
ISSN: 0197-016X.
DOCUMENT TYPE: Conference; (Meeting) Conference; Abstract; (Meeting Abstract)
LANGUAGE: English
ENTRY DATE: Entered STN: 29 Oct 2003
Last Updated on STN: 29 Oct 2003

L5 ANSWER 33 OF 433 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN
ACCESSION NUMBER: 2003:150863 SCISEARCH
THE GENUINE ARTICLE: 643DQ
TITLE: Transition state P-glycoprotein binds drugs and modulators

with unchanged affinity, suggesting a concerted transport mechanism
AUTHOR: Qu Q; Chu J W K; Sharom F J (Reprint)
CORPORATE SOURCE: Univ Guelph, Dept Chem & Biochem, Guelph, ON N1G 2W1, Canada (Reprint)
COUNTRY OF AUTHOR: Canada
SOURCE: BIOCHEMISTRY, (11 FEB 2003) Vol. 42, No. 5, pp. 1345-1353.

Publisher: AMER CHEMICAL SOC, 1155 16TH ST, NW, WASHINGTON, DC 20036 USA.
ISSN: 0006-2960.
DOCUMENT TYPE: Article; Journal
LANGUAGE: English
REFERENCE COUNT: 67

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L5 ANSWER 34 OF 433 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN
ACCESSION NUMBER: 2003:1050064 SCISEARCH
THE GENUINE ARTICLE: 748PP

TITLE: Heavy metal tolerance and metal homeostasis in Pseudomonas putida as revealed by complete genome analysis
AUTHOR: Canovas D; Casals I; de Lorenzo V (Reprint)
CORPORATE SOURCE: CSIC, Ctr Nacl Biotecnol, Campus Cantoblanco, Madrid 28049, Spain (Reprint); CSIC, Ctr Nacl Biotecnol, Madrid 28049, Spain
COUNTRY OF AUTHOR: Spain
SOURCE: ENVIRONMENTAL MICROBIOLOGY, (DEC 2003) Vol. 5, No. 12, pp. 1242-1256.

Publisher: BLACKWELL PUBLISHING LTD, 9600 GARSINGTON RD, OXFORD OX4 2DG, OXON, ENGLAND.
ISSN: 1462-2912.

DOCUMENT TYPE: Article; Journal
LANGUAGE: English
REFERENCE COUNT: 56
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L5 ANSWER 35 OF 433 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 2003:499915 BIOSIS
DOCUMENT NUMBER: PREV200300502049

TITLE: Compound profiling for P-glycoprotein at the blood-brain barrier using a microplate screening system.
AUTHOR(S): Bauer, Bjoern; Miller, David S.; Fricker, Gert [Reprint Author]
CORPORATE SOURCE: Institute of Pharmacy and Molecular Biotechnology, University of Heidelberg, INF 366, 69120, Heidelberg, Germany
gerf.fricker@uni-hd.de
SOURCE: Pharmaceutical Research (Dordrecht), (August 2003) Vol. 20,

No. 8, pp. 1170-1176. print.
ISSN: 0724-8741 (ISSN print).

DOCUMENT TYPE: Article
LANGUAGE: English
ENTRY DATE: Entered STN: 29 Oct 2003

Last Updated on STN: 29 Oct 2003

L5 ANSWER 36 OF 433 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN
ACCESSION NUMBER: 2003:129441 SCISEARCH
THE GENUINE ARTICLE: 640NQ
TITLE: Stoichiometry and affinity of nucleotide binding to P-glycoprotein during the catalytic cycle
AUTHOR: Qu Q; Russell P L; Sharom F J (Reprint)
CORPORATE SOURCE: Univ Guelph, Guelph Waterloo Ctr Grad Work Chem & Biochem, Dept Chem & Biochem, Guelph, ON N1G 2W1, Canada (Reprint)
COUNTRY OF AUTHOR: Canada
SOURCE: BIOCHEMISTRY, (4 FEB 2003) Vol. 42, No. 4, pp. 1170-1177.

Publisher: AMER CHEMICAL SOC, 1155 16TH ST, NW, WASHINGTON, DC 20036 USA.
ISSN: 0006-2960.

DOCUMENT TYPE: Article; Journal
LANGUAGE: English
REFERENCE COUNT: 55
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L5 ANSWER 37 OF 433 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 2003:261435 BIOSIS
DOCUMENT NUMBER: PREV20030261435
TITLE: A specific interaction between the NBD of the ***ABC***

- ***transporter*** Hyb and a C-terminal fragment of its transport substrate haemolysin A.
AUTHOR(S): Benabdellah, Houssain; Kiontke, Stephan; Horn, Carsten; Ernst, Robert; Blight, Mark A.; Holland, I. Barry; Schmitt, Lutz [Reprint Author]

CORPORATE SOURCE: Institute of Biochemistry Biocenter, University of Frankfurt, Marie-Curie Str. 9, N210, 60439, Frankfurt, Germany
lschmitt@em.uni-frankfurt.de
SOURCE: Journal of Molecular Biology, (11 April, 2003) Vol. 327,

No. 5, pp. 1169-1179. print.
ISSN: 0022-2836 (ISSN print).

DOCUMENT TYPE: Article
LANGUAGE: English
ENTRY DATE: Entered STN: 4 Jun 2003
Last Updated on STN: 4 Jun 2003

L5 ANSWER 38 OF 433 MEDLINE on STN DUPLICATE 15

ACCESSION NUMBER: 2003084070 MEDLINE
DOCUMENT NUMBER: 22483654 PubMed ID: 12595414
TITLE: Identification and characterization of a Streptococcus pyogenes operon involved in binding of hemoproteins and acquisition of iron.

AUTHOR: Bates Christopher S; Montanez Griselle E; Woods Charles R; Vincent Rebecca M; Eichenbaum Zehava
COPROCESS SOURCE: Department of Biology, College of Arts and Sciences, Georgia State University, Atlanta, Georgia 30303, USA.

SOURCE: INFECTION AND IMMUNITY, (2003 Mar) 71 (3) 1042-55.
Journal code: 0246127. ISSN: 0019-9567.

PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200303
ENTRY DATE: Entered STN: 20030222
Last Updated on STN: 20030321
Entered Medline: 20030320

L5 ANSWER 39 OF 433 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED. on STN

ACCESSION NUMBER: 2003217542 EMBASE
TITLE: Calcineurin A of Candida albicans: Involvement in antifungal tolerance, cell morphogenesis and virulence.
AUTHOR: Sanglard D; Ischer F; Marchetti O; Entenza J; Bille J.

COPROCESS SOURCE: D. Sanglard, Institute of Microbiology, Ctr. Hosp. Universitaire Vaudois, Rue du Bugnon 44, CH-1011 Lausanne, Switzerland. Dominique.Sanglard@chuv.hospvd.ch
SOURCE: Molecular Microbiology, (2003) 48/4 (959-976). Refs: 50

ISSN: 0950-382X CODEN: MOMIEE
COUNTRY: United Kingdom
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 004 Microbiology

005 General Pathology and Pathological Anatomy
030 Pharmacology
037 Drug Literature Index
LANGUAGE: English
SUMMARY LANGUAGE: English

L5 ANSWER 40 OF 433 MEDLINE on STN DUPLICATE 16

ACCESSION NUMBER: 2003358535 IN-PROCESS
DOCUMENT NUMBER: PubMed ID: 12890017
TITLE: Transition from reversible to irreversible attachment during biofilm formation by Pseudomonas fluorescens

WCS365
requires an ***ABC*** ***transporter*** and a large secreted protein.

AUTHOR: Hinsa Shannon M; Espinosa-Urgel Manuel; Ramos Juan L; O'Toole George A
CORPORATE SOURCE: Department of Microbiology and Immunology, Dartmouth Medical School, Hanover, NH, USA.
SOURCE: Molecular microbiology, (2003 Aug 4) 49 (4) 905-18.
Journal code: 8712028. ISSN: 0950-382X.
PUB. COUNTRY: England: United Kingdom
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: IN-PROCESS; NONINDEXED; Priority Journals
ENTRY DATE: Entered STN: 20030801
Last Updated on STN: 20031218

L5 ANSWER 41 OF 433 SCISEARCH COPYRIGHT 2004

THOMSON ISI on STN
ACCESSION NUMBER: 2003:904385 SCISEARCH
THE GENUINE ARTICLE: 733GK
TITLE: Covalent modification of cysteine 193 impairs ***ATPase*** function of nucleotide-binding domain of a

Candida drug efflux pump
AUTHOR: Jha S; Karnani N; Lynn A M; Prasad R [Reprint]
CORPORATE SOURCE: Jawaharlal Nehru Univ, Sch Life Sci, Membrane Biol Lab, New Delhi 110067, India (Reprint); Jawaharlal Nehru Univ, Sch Inform Technol, Bioinformatic Ctr, New Delhi 110067, India

COUNTRY OF AUTHOR: India
SOURCE: BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, (24 OCT 2003) Vol. 310, No. 3, pp. 869-875.
Publisher: ACADEMIC PRESS INC ELSEVIER SCIENCE,

525 B ST, STE 1900, SAN DIEGO, CA 92101-4495 USA.
ISSN: 0006-291X.
DOCUMENT TYPE: Article; Journal
LANGUAGE: English
REFERENCE COUNT: 25
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L5 ANSWER 42 OF 433 MEDLINE on STN DUPLICATE 17

ACCESSION NUMBER: 2003335817 MEDLINE
DOCUMENT NUMBER: 22750416 PubMed ID: 12868056

TITLE: The pfr1 gene from the human pathogenic fungus Paracoccidioides brasiliensis encodes a half- ***ABC*** ***transporter*** that is transcribed in response to treatment with fluconazole.
AUTHOR: Gray Christopher H; Ines Borges-Walmsley M; Evans Gareth J; Walmsley Adrian R
CORPORATE SOURCE: Centre for Infectious Diseases, Wolfson Research Institute, University of Durham, Queen's Campus, Stockton-on-Tees TS17 6BH, UK.

SOURCE: YEAST, (2003 Jul 30) 20 (10) 865-80.
Journal code: 8607637. ISSN: 0749-503X.
PUB. COUNTRY: England: United Kingdom

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200310
ENTRY DATE: Entered STN: 20030718
Last Updated on STN: 20031101
Entered Medline: 20031031

L5 ANSWER 43 OF 433 MEDLINE on STN DUPLICATE 18

ACCESSION NUMBER: 2004000671 IN-PROCESS

DOCUMENT NUMBER: PubMed ID: 14697202
TITLE: An intrinsic adenylyl kinase activity regulates gating of the ***ABC*** ***transporter*** CFTR.

AUTHOR: Randak Christoph; Welsh Michael J
CORPORATE SOURCE: Howard Hughes Medical Institute, Department of Internal

Medicine and Physiology, Roy J and Lucille A Carver College of Medicine, University of Iowa, Iowa City, IA 52242, USA.

CONTRACT NUMBER: HL1234-05 (NHLBI)
HL29851-21 (NHLBI)
SOURCE: Cell, (2003 Dec 26) 115 (7) 837-50.
Journal code: 0413066. ISSN: 0092-8674.

PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: IN-PROCESS; NONINDEXED; Priority Journals
ENTRY DATE: Entered STN: 20040103
Last Updated on STN: 20040103

L5 ANSWER 44 OF 433 SCISEARCH COPYRIGHT 2004

THOMSON ISI on STN
ACCESSION NUMBER: 2003:174410 SCISEARCH
THE GENUINE ARTICLE: 646HU
TITLE: The alternating ***ATPase*** domains of MutS control

DNA mismatch repair
AUTHOR: Lamers M H; Winterwerp H H K; Sixma T K (Reprint)
CORPORATE SOURCE: Netherlands Canc Inst, Div Mol Carcinogenesis, Plesmanlaan 121, NL-1066 CX Amsterdam, Netherlands (Reprint); Netherlands Canc Inst, Div Mol Carcinogenesis, NL-1066

CX Amsterdam, Netherlands
COUNTRY OF AUTHOR: Netherlands

SOURCE: EMBO JOURNAL, (3 FEB 2003) Vol. 22, No. 3, pp. 746-756.

Publisher: OXFORD UNIV PRESS, GREAT CLarendon ST, OXFORD OX2 6DP, ENGLAND.

ISSN: 0261-4189.

DOCUMENT TYPE: Article; Journal

LANGUAGE: English

REFERENCE COUNT: 62

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L5 ANSWER 45 OF 433 SCISEARCH COPYRIGHT 2004

THOMSON ISI on STN

ACCESSION NUMBER: 2003:354511 SCISEARCH

THE GENUINE ARTICLE: 669LG

TITLE: Maltose transport through the inner membrane of E-coli

AUTHOR: Fetsch E E; Davidson A L (Reprint)

CORPORATE SOURCE: Dept Mol Virol & Microbiol, 1 Baylor Plaza,

Houston, TX

77030 USA (Reprint); Dept Mol Virol & Microbiol,

Houston,

TX 77030 USA

COUNTRY OF AUTHOR: USA

SOURCE: FRONTIERS IN BIOSCIENCE, (MAY 2003) Vol. 8,

pp. D652-D660.

Publisher: FRONTIERS IN BIOSCIENCE INC, C/O

NORTH SHORE

UNIV HOSPITAL, BIOMEDICAL RESEARCH CENTER,

350 COMMUNITY

DR, MANHASSET, NY 11030 USA.

ISSN: 1093-9946.

DOCUMENT TYPE: Article; Journal

LANGUAGE: English

REFERENCE COUNT: 51

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L5 ANSWER 46 OF 433 MEDLINE on STN DUPLICATE 19

ACCESSION NUMBER: 2003466464 MEDLINE

DOCUMENT NUMBER: 22890538 PubMed ID: 14527411

TITLE: A tweezers-like motion of the ATP-binding cassette dimer in

an ABC transport cycle.

AUTHOR: Chen Jue; Lu Gang; Lin Jeffrey; Davidson Amy L; Quioco

Florante A

CORPORATE SOURCE: Department of Biological Sciences, Purdue University, West Lafayette, IN 47907, USA .. chenjue@bilbo.bio.purdue.edu

CONTRACT NUMBER: R01 GM 21731 (NIGMS)

R01 GM 49261 (NIGMS)

SOURCE: MOLECULAR CELL, (2003 Sep) 12 (3) 651-61.

Journal code: 9802571. ISSN: 1097-2765.

PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

OTHER SOURCE: PDB-1Q12; PDB-1Q1B; PDB-1Q1E

ENTRY MONTH: 200311

ENTRY DATE: Entered STN: 20031008

Last Updated on STN: 20031107

Entered Medline: 20031106

L5 ANSWER 47 OF 433 MEDLINE on STN DUPLICATE 20

ACCESSION NUMBER: 200333094 MEDLINE

DOCUMENT NUMBER: 22747731 PubMed ID: 12866021

TITLE: Transport of glutathione conjugates and chemotherapeutic drugs by RLIP76 (RALBP1): a novel link between G-protein and tyrosine kinase signaling and drug resistance.

AUTHOR: Awasthi Sanjay; Singhal Sharad S; Sharma Rajendra; Zimniak

Piotr; Awasthi Yogesh C

CORPORATE SOURCE: Department of Chemistry and Biochemistry, University of Texas at Arlington, Arlington, TX 76019, USA.. sawasthi@uta.edu

CONTRACT NUMBER: CA 77495 (NCI)

GM 32304 (NIGMS)

SOURCE: INTERNATIONAL JOURNAL OF CANCER, (2003 Sep 20) 106 (5) 635-46. Ref: 89

Journal code: 0042124. ISSN: 0020-7136.

PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

General Review; (REVIEW)

(REVIEW, TUTORIAL)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 200309

ENTRY DATE: Entered STN: 20030717

Last Updated on STN: 20030917

Entered Medline: 20030916

L5 ANSWER 48 OF 433 SCISEARCH COPYRIGHT 2004

THOMSON ISI on STN

ACCESSION NUMBER: 2003:299417 SCISEARCH

THE GENUINE ARTICLE: 662LC

TITLE: Characterization, localization and functional analysis of Gpr1p, a protein affecting sensitivity to acetic acid in the yeast Yarrowia lipolytica

AUTHOR: Augstein A; Barth K; Gentsch M; Kohlwein S D;

Barth G

(Reprint)

CORPORATE SOURCE: Dresden Univ Technol, Inst Microbiol,

Mommsenstr 13,

Technol,

D-01062 Dresden, Germany (Reprint); Dresden Univ

Inst Microbiol, D-01062 Dresden, Germany; Graz Univ, SFB Biomembrane Res Ctr, Dept Mol Biol Biochem & Microbiol, A-8010 Graz, Austria

COUNTRY OF AUTHOR: Germany; Austria

SOURCE: MICROBIOLOGY-SGM, (MAR 2003) Vol. 149, Part 3, pp. 589-600

Publisher: SOC GENERAL MICROBIOLOGY,
MARLBOROUGH HOUSE,
BASINGSTOKE RD, SPENCERS WOODS, READING
RG7 1AG, BERKS,
ENGLAND.

ISSN: 1350-0872.

DOCUMENT TYPE: Article; Journal

LANGUAGE: English

REFERENCE COUNT: 30

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L5 ANSWER 49 OF 433 SCISEARCH COPYRIGHT 2004

THOMSON ISI on STN

ACCESSION NUMBER: 2003:438814 SCISEARCH

THE GENUINE ARTICLE: 679GA

TITLE: Moderately lipophilic carboxylate compounds are the selective inducers of the Saccharomyces cerevisiae Pdr12p ATP-binding cassette transporter

AUTHOR: Hatzixanthidis K; Mollapour M; Seymour I; Bauer B E; Krapf

G; Schuller C; Kuchler K; Piper P W (Reprint)

CORPORATE SOURCE: Univ London Univ Coll, Dept Biochem & Mol Biol, Gower St, London WC1E 6BT, England (Reprint); Univ London Univ Coll, Dept Biochem & Mol Biol, London WC1E 6BT, England;

Vienna, Dept Mol Genet, A-1030 Vienna, Austria; Bioctr, A-1030 Vienna, Austria

COUNTRY OF AUTHOR: England; Austria

SOURCE: YEAST, (MAY 2003) Vol. 20, No. 7, pp. 575-585.

Publisher: JOHN WILEY & SONS LTD, BAFFINS LANE CHICHESTER, W SUSSEX PO19 1UD, ENGLAND.

ISSN: 0749-503X.

DOCUMENT TYPE: Article; Journal

LANGUAGE: English

REFERENCE COUNT: 35

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L5 ANSWER 50 OF 433 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN

ACCESSION NUMBER: 2003:512186 BIOSIS

DOCUMENT NUMBER: PREV20030515163

TITLE: Identification of transmembrane protein functions by binary topology patterns.

AUTHOR(S): Sugiyama, Yoshiaki; Polulyakh, Natalia; Shimizu, Toshio [Reprint Author]

CORPORATE SOURCE: Department of Electronic and Information System Engineering, Faculty of Science and Technology, Hirosaki University, Hirosaki, 036-8561, Japan slsim@si.hirosaki-u.ac.jp

SOURCE: Protein Engineering, (July 2003) Vol. 16, No. 7, pp. 479-488. print.

CODEN: PRNE9. ISSN: 0269-2139.

DOCUMENT TYPE: Article

LANGUAGE: English

ENTRY DATE: Entered STN: 5 Nov 2003

Last Updated on STN: 5 Nov 2003

L5 ANSWER 51 OF 433 SCISEARCH COPYRIGHT 2004

THOMSON ISI on STN

ACCESSION NUMBER: 2003:540880 SCISEARCH

THE GENUINE ARTICLE: 689VD

TITLE: Flavonoids as inhibitors of MRPI-like efflux activity in human erythrocytes. A structure-activity relationship study

AUTHOR: Bobrowska-Hagerstrand M; Wrobel A; Mrowczynska L; Soderstrom T; Shirataki Y; Motohashi N; Molnar J; Michalak K; Hagerstrand H (Reprint)

CORPORATE SOURCE: Abo Akad Univ, Dept Biol, FIN-20520 Turku, Finland (Reprint); Wroclaw Tech Univ, Inst Phys, PL-50370 Wroclaw, Poland; Adam Mickiewicz Univ Poznan, Dept Cytol & Histol, PL-61701 Poznan, Poland; Univ Turku, Turku Ctr Biotechnol, FIN-20520 Turku, Finland; Josai Univ, Fac Pharmaceut Sci, Sakado, Saitama 3500295, Japan; Meiji Pharmaceut Univ, Tokyo 2048588, Japan; Albert Szent Gyorgyi Med Univ, Dept Microbiol, H-6720 Szeged, Hungary; Wroclaw Med Univ, Dept Biophys, Wroclaw, Poland

COUNTRY OF AUTHOR: Finland; Poland; Japan; Hungary

SOURCE: ONCOLOGY RESEARCH, (12 JUN 2003) Vol. 13, No. 11, pp. 463-469.

Publisher: COGNIZANT COMMUNICATION CORP, 3 HARTSDALE ROAD,

ELMSFORD, NY 10523-3701 USA.

ISSN: 0965-0407.

DOCUMENT TYPE: Article; Journal

LANGUAGE: English

REFERENCE COUNT: 49

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L5 ANSWER 52 OF 433 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN DUPLICATE

21

ACCESSION NUMBER: 2003:529937 SCISEARCH

THE GENUINE ARTICLE: 691XV

TITLE: The ***ATPases*** : a new family for a family-based drug design approach

AUTHOR: Chene P (Reprint)

CORPORATE SOURCE: Novartis, K125 442, CH-4002 Basel, Switzerland (Reprint); Novartis, CH-4002 Basel, Switzerland

COUNTRY OF AUTHOR: Switzerland

SOURCE: EXPERT OPINION ON THERAPEUTIC TARGETS, (JUN 2003) Vol. 7, No. 3, pp. 453-461.

Publisher: ASHLEY PUBLICATIONS LTD, UNITEC HOUSE, 3RD FL,

2 ALBERT PLACE, FINCHLEY CENTRAL, LONDON N3 1QB, ENGLAND.

ISSN: 1472-8222.

DOCUMENT TYPE: General Review; Journal

LANGUAGE: English

REFERENCE COUNT: 120

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L5 ANSWER 53 OF 433 MEDLINE on STN

DUPLICATE

22

ACCESSION NUMBER: 2003209869 MEDLINE

DOCUMENT NUMBER: 22562812 PubMed ID: 12523935

TITLE: Cystic fibrosis transmembrane conductance regulator: the NBF1-R (nucleotide-binding fold 1 and regulatory domain) segment acting alone catalyses a Co²⁺/Mn²⁺/Mg²⁺ ***ATPase*** activity markedly inhibited by both Cd²⁺ and

the transition-state analogue orthovanadate.

AUTHOR: Annereau Jean Philippe; Ko Young Hee; Pedersen Peter L

CORPORATE SOURCE: Department of Biological Chemistry, The Johns Hopkins University School of Medicine, Baltimore, MD 21205-2185, USA.

CONTRACT NUMBER: DK 43962 (NIDDK)

SOURCE: BIOCHEMICAL JOURNAL, (2003 Apr 15) 371 (Pt 2) 451-62.

Journal code: 298478R. ISSN: 0264-6021.

PUB. COUNTRY: England: United Kingdom

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 200307

ENTRY DATE: Entered STN: 20030507

Last Updated on STN: 20030704

Entered Medline: 20030703

L5 ANSWER 54 OF 433 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED. on STN

ACCESSION NUMBER: 2003073797 EMBASE

TITLE: SufC: An unorthodox cytoplasmic ABC/ ***ATPase*** required for [Fe-S] biogenesis under oxidative stress.

AUTHOR: Nachin L; Loiseau L; Expert D.; Barras F.

CORPORATE SOURCE: F. Barras, LCB-CNRS, IBMM, 31 Chemin Joseph Aiguier, 13402 Marseille Cedex 20, France. barras@ibmm.cnrs-mrs.fr

SOURCE: EMBO Journal, (3 Feb 2003) 22/3 (427-437).

Refs: 59

ISSN: 0261-4189 CODEN: EMJODG

COUNTRY: United Kingdom

DOCUMENT TYPE: Journal; Article

FILE SEGMENT: 004 Microbiology

LANGUAGE: English

SUMMARY LANGUAGE: English

L5 ANSWER 55 OF 433 MEDLINE on STN

DUPLICATE

23

ACCESSION NUMBER: 2003544854 MEDLINE

DOCUMENT NUMBER: PubMed ID: 14623183

TITLE: Nucleotide dependent monomer/dimer equilibrium of OpuaA, the nucleotide-binding protein of the osmotically regulated ***ABC*** ***transporter*** OpuaA from Bacillus subtilis.

AUTHOR: Horn Carsten; Bremer Erhard; Schmitt Lutz

CORPORATE SOURCE: Institute of Biochemistry, Biocenter N210, Johann-Wolfgang Goethe University Frankfurt, Marie-Curie Str. 9, 60439, Frankfurt, Germany.

SOURCE: Journal of molecular biology, (2003 Nov 28) 334 (3) 403-19.

Journal code: 2985088R. ISSN: 0022-2836.

PUB. COUNTRY: England: United Kingdom

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 200312

ENTRY DATE: Entered STN: 20031120

Last Updated on STN: 20031219

Entered Medline: 20031218

L5 ANSWER 56 OF 433 SCISEARCH COPYRIGHT 2004

THOMSON ISI on STN

ACCESSION NUMBER: 2003:478546 SCISEARCH

THE GENUINE ARTICLE: 684ET

TITLE: Prevention by dietary (n-6) polyunsaturated phosphatidylcholines of intrahepatic cholestasis induced by cyclosporin A in animals

AUTHOR: Chanussot F (Reprint); Benkoel L
CORPORATE SOURCE: Fac Med Marseille, INSERM U476, F-13385
Marseille 05, France (Reprint); Fac Med Marseille, INSERM U559, F-13385
Marseille, France

COUNTRY OF AUTHOR: France
SOURCE: LIFE SCIENCES, (13 JUN 2003) Vol. 73, No. 4, pp. 381-392.

Publisher: PERGAMON-ELSEVIER SCIENCE LTD, THE BOULEVARD, LANGFORD LANE, KIDLINGTON, OXFORD OX5 1GB, ENGLAND.

ISSN: 0024-3205.

DOCUMENT TYPE: General Review; Journal

LANGUAGE: English

REFERENCE COUNT: 69

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L5 ANSWER 57 OF 433 MEDLINE on STN DUPLICATE 24

ACCESSION NUMBER: 2003296789 MEDLINE

DOCUMENT NUMBER: 22708512 PubMed ID: 12823973

TITLE: Crystal structures of the ***ATPase*** subunit of the glucose ***ABC*** ***transporter*** from *Sulfolobus solfataricus*: nucleotide-free and nucleotide-bound conformations

AUTHOR: Verdon Gregory; Albers Sonja V; Dijkstra Bauke W; Driessens

Arnold J M; Thunnissen Andy Mark W H

CORPORATE SOURCE: Laboratory of Biophysical Chemistry, Groningen Biomolecular Sciences and Biotechnology Institute, University of Groningen, Nijenborgh 4, 9747 AG, Groningen, The Netherlands.

SOURCE: JOURNAL OF MOLECULAR BIOLOGY, (2003 Jul 4) 330 (2) 343-58.

Journal code: 298508R. ISSN: 0022-2836.

PUB. COUNTRY: England; United Kingdom

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

OTHER SOURCE: PDB-1OXS; PDB-1OXT; PDB-1OXU;

PDB-1OXV

ENTRY MONTH: 200307

ENTRY DATE: Entered STN: 20030626

Last Updated on STN: 20030729

Entered Medline: 20030728

L5 ANSWER 58 OF 433 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN DUPLICATE 25

ACCESSION NUMBER: 2003:448827 BIOSIS

DOCUMENT NUMBER: PREV200300448827

TITLE: Prolonged nonhydrolytic interaction of nucleotide with CFTR's NH2-terminal nucleotide binding domain and its role in channel gating.

AUTHOR(S): Basso, Claudia; Vergani, Paola; Nairn, Angus C.; Gadsby,

David C. [Reprint Author]

CORPORATE SOURCE: Laboratory of Cardiac/Membrane Physiology, Rockefeller University, 1230 York Ave., New York, NY, 10021, USA gadsby@mail.rockefeller.edu

SOURCE: Journal of General Physiology, (September 2003) Vol. 122,

No. 3, pp. 333-348. print.

ISSN: 0022-1295 (ISSN print).

DOCUMENT TYPE: Article

LANGUAGE: English

ENTRY DATE: Entered STN: 1 Oct 2003

Last Updated on STN: 1 Oct 2003

L5 ANSWER 59 OF 433 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN

ACCESSION NUMBER: 2003:317405 SCISEARCH

THE GENUINE ARTICLE: 664BX

TITLE: MinD and role of the deviant Walker A motif, dimerization and membrane binding in oscillation

AUTHOR: Lukthens J (Reprint); Sundaramoorthy M
CORPORATE SOURCE: Univ Kansas, Med Ctr, Dept Microbiol Mol Genet & Immunol,

Kansas City, KS 66160 USA (Reprint); Univ Kansas, Med Ctr, Dept Biochem & Mol Biol, Kansas City, KS 66160 USA

COUNTRY OF AUTHOR: USA

SOURCE: MOLECULAR MICROBIOLOGY, (APR 2003) Vol. 48, No. 2, pp. 295-303.

Publisher: BLACKWELL PUBLISHING LTD, 9600

GARSINGTON RD, OXFORD OX4 2DG, OXON, ENGLAND.

ISSN: 0950-382X.

DOCUMENT TYPE: General Review; Journal

LANGUAGE: English

REFERENCE COUNT: 47

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L5 ANSWER 60 OF 433 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN

ACCESSION NUMBER: 2003:120328 SCISEARCH

THE GENUINE ARTICLE: 637MB

TITLE: Characterization of the ABCA transporter subfamily: identification of prokaryotic and eukaryotic members, phylogeny and topology

AUTHOR: Peelman F; Labeyre C; Vanloo B; Roosbeek S; Devaud C;

Duverger N; Denefle P; Rosier M; Vandekerckhove J; Rosseneu M (Reprint)

CORPORATE SOURCE: State Univ Ghent, Fac Med, Dept Biochem, Lab Lipoprot Chem, B-9000 Ghent, Belgium (Reprint); Aventis Pharma, F-94400 Vitry Sur Seine, France; State Univ Ghent, Dept Med Prot Res, Dept Biochem, Flanders Interuniv Inst Biotechnol, Fac Med, B-9000 Ghent, Belgium

COUNTRY OF AUTHOR: Belgium; France

SOURCE: JOURNAL OF MOLECULAR BIOLOGY, (10 JAN 2003) Vol. 325, No. 2, pp. 259-274.

Publisher: ACADEMIC PRESS LTD ELSEVIER SCIENCE LTD, 24-28 OVAL RD, LONDON NW1 7DX, ENGLAND.

ISSN: 0022-2836.

DOCUMENT TYPE: Article; Journal

LANGUAGE: English

REFERENCE COUNT: 45

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L5 ANSWER 61 OF 433 MEDLINE on STN DUPLICATE 26

ACCESSION NUMBER: 2003530292 MEDLINE

DOCUMENT NUMBER: PubMed ID: 14607117

TITLE: Formation of the productive ATP-Mg²⁺-bound dimer of GlcV, an ABC- ***ATPase*** from *Sulfolobus solfataricus*.

AUTHOR: Verdon Gregory; Albers Sonja-Vera; van Oosterwijk Niels; Dijkstra Bauke W; Driessens Arnold J M; Thunnissen Andy-Mark W H

CORPORATE SOURCE: Laboratory of Biophysical Chemistry, Groningen Biomolecular Sciences and Biotechnology Institute, University of Groningen, Nijenborgh 4, 9747 AG Groningen, The Netherlands.

SOURCE: JOURNAL OF MOLECULAR BIOLOGY, (2003 NOV 21) 334 (2) 255-67.

Journal code: 298508R. ISSN: 0022-2836.

PUB. COUNTRY: England; United Kingdom

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

OTHER SOURCE: PDB-1OXX

ENTRY MONTH: 200312

ENTRY DATE: Entered STN: 20031111

Last Updated on STN: 20031219

Entered Medline: 20031218

L5 ANSWER 62 OF 433 MEDLINE on STN DUPLICATE 27

ACCESSION NUMBER: 2003206212 IN-PROCESS

DOCUMENT NUMBER: PubMed ID: 12727520

TITLE: Rad50/SMC proteins and ***ABC*** ***transporters*** : unifying concepts from high-resolution structures.

AUTHOR: Hopfner Karl-Peter; Tainer John A
CORPORATE SOURCE: Gene Center and Institute of Biochemistry, University of Munich, Feodor-Lynen-Strasse 25, Germany.. hopfner@imb.uni-muenchen.de

CONTRACT NUMBER: P01 CA92584 (NCI)

SOURCE: CURRENT OPINION IN STRUCTURAL BIOLOGY, (2003 APR) 13 (2) 249-55.

Journal code: 9107784. ISSN: 0959-440X.

PUB. COUNTRY: England; United Kingdom

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: IN-PROCESS; NONINDEXED; Priority Journals

ENTRY DATE: Entered STN: 20030503

Last Updated on STN: 20031217

L5 ANSWER 63 OF 433 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN DUPLICATE 28

ACCESSION NUMBER: 2003:183400 BIOSIS

DOCUMENT NUMBER: PREV200300183400

TITLE: CFTR and MDR: ***ABC*** ***transporters*** with homologous structure but divergent function.

AUTHOR(S): Luckie, Douglas B. [Reprint Author]; Wilterding, John H.; Krha, Marija; Krouse, Mauri E.

CORPORATE SOURCE: Cystic Fibrosis Research Laboratory, Michigan State University, 2100 Biomedical and Physical Sciences Bldg., East Lansing, MI, 48824, USA luckie@msu.edu

SOURCE: CURRENT GENOMICS, (April 2003) Vol. 4, No. 3, pp. 225-235.

print.

ISSN: 1389-2029 (ISSN print).

DOCUMENT TYPE: Article

LANGUAGE: English

FILE SEGMENT: General Review; (Literature Review)

ENTRY DATE: Entered STN: 9 Apr 2003

Last Updated on STN: 9 Apr 2003

L5 ANSWER 64 OF 433 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN

ACCESSION NUMBER: 2003:242261 BIOSIS

DOCUMENT NUMBER: PREV200300242261

TITLE: Structural biochemistry and interaction architecture of RE11 nuclease and RAD50- ***ATPase*** in DNA recombination and repair.

AUTHOR(S): Tainer, J. A. [Reprint Author]

CORPORATE SOURCE: Skaggs Institute for Chemical Biology, and The Scripps Research Institute, Department of Molecular Biology, Lawrence Berkeley National Lab, 10550 North Torrey Pines Road, MB4, La Jolla, CA, 92037, USA

SOURCE: Environmental and Molecular Mutagenesis, (2003) Vol. 41, No. 3, pp. 216, print.

Meeting Info.: 34th Annual Meeting of the Environmental Mutagen Society on Environmental Mutagenesis: From Mechanisms to Risk Assessment. Miami Beach, Florida, USA May 10-14, 2003. Environmental Mutagen Society. CODEN: EMMUEG. ISSN: 0893-6692.

DOCUMENT TYPE: Conference; (Meeting) Conference; Abstract; (Meeting Abstract)

LANGUAGE: English

ENTRY DATE: Entered STN: 21 May 2003

Last Updated on STN: 21 May 2003

L5 ANSWER 65 OF 433 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2003:803571 CAPLUS

TITLE: Expression and functional characterization of human ***ABC*** ***transporter*** ABCG2 variants in insect cells

AUTHOR(S): Ishikawa, Toshihisa; Kasamatsu, Shiro; Hagiwara, Yuko;

Mitomo, Hideyuki; Kato, Ryo; Sumino, Yasuhiro Graduate

CORPORATE SOURCE: Department of Biomolecular Engineering, School of Bioscience and Biotechnology, Tokyo Institute of Technology, Kanagawa, Japan

SOURCE: Drug Metabolism and Pharmacokinetics (2003), 18(3), 194-202

CODEN: DMPRB8; ISSN: 1347-4367

PUBLISHER: Japanese Society for the Study of Xenobiotics

DOCUMENT TYPE: Journal

LANGUAGE: English

REFERENCE COUNT: 39 THERE ARE 39 CITED REFERENCES AVAILABLE FOR THIS RECORD.

REFORMAT

L5 ANSWER 66 OF 433 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN

ACCESSION NUMBER: 2003:422929 BIOSIS

DOCUMENT NUMBER: PREV200300422929

TITLE: Osmoprotection and ***ABC*** ***transporters*** : The OpuA system from *Bacillus subtilis*.

AUTHOR(S): Horn, Carsten [Reprint Author]; Bremer, Erhard; Schmitt, Lutz [Reprint Author]

CORPORATE SOURCE: J. W. Goethe University Frankfurt, Marie-Curie-Str. 9,

Frankfurt am Main, 60439, Germany

SOURCE: BIOPHYSICAL JOURNAL, (February 2003) Vol. 84, No. 2, Part 2,

pp. 192, print.

Meeting Info.: 47th Annual Meeting of the Biophysical Society. San Antonio, TX, USA. March 01-05, 2003. Biophysical Society.

ISSN: 0006-3495 (ISSN print).

DOCUMENT TYPE: Conference; (Meeting) Conference; Abstract; (Meeting Abstract)

LANGUAGE: English

ENTRY DATE: Entered STN: 17 Sep 2003

Last Updated on STN: 17 Sep 2003

L5 ANSWER 67 OF 433 MEDLINE on STN DUPLICATE 29

ACCESSION NUMBER: 2003438282 IN-PROCESS

DOCUMENT NUMBER: PubMed ID: 13678819

TITLE: Protein-mediated transbilayer movement of lipids in eukaryotes and prokaryotes: the relevance of ***ABC*** ***transporters*** .

AUTHOR: Tannert Astrid; Pohl Anja; Pomorski Thomas; Hermann Andreas

CORPORATE SOURCE: Institut für Biologie, Molekulare Biophysik, Humboldt-Universität Berlin, Invalidenstrasse 42, D-10115 Berlin, Germany.

SOURCE: International journal of antimicrobial agents, (2003 Sep 22) (3) 177-87.

Journal code: 911860. ISSN: 0924-8579.

PUB. COUNTRY: Netherlands

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: IN-PROCESS; NONINDEXED; Priority Journals

ENTRY DATE: Entered STN: 20030923

Last Updated on STN: 20031218

L5 ANSWER 68 OF 433 SCISEARCH COPYRIGHT 2004

THOMSON ISI on STN

ACCESSION NUMBER: 2003:165072 SCISEARCH

THE GENUINE ARTICLE: 644LU

TITLE: Parasite plastids: maintenance and functions

AUTHOR: Wilson R J M (Reprint); Rangachari K; Saldanha J W; Rickman L; Buxton R S; Eccleston J F

CORPORATE SOURCE: Natl Inst Med Res, Mill Hill, London NW7

1AA, England
(Reprint); Nati Inst Med Res, London NW7 1AA, England
COUNTRY OF AUTHOR: England
SOURCE: PHILOSOPHICAL TRANSACTIONS OF THE
ROYAL SOCIETY OF LONDON
SERIES B-BIOLOGICAL SCIENCES, (29 JAN 2003) Vol.
358, No.
1429, pp. 155-162.
Publisher: ROYAL SOC LONDON, 6 CARLTON HOUSE
TERRACE, LONDON SW1Y 5AG, ENGLAND.
ISSN: 0962-8436.

DOCUMENT TYPE: Article; Journal
LANGUAGE: English
REFERENCE COUNT: 59
*ABSTRACT IS AVAILABLE IN THE ALL AND IALL
FORMATS*

L5 ANSWER 69 OF 433 MEDLINE on STN DUPLICATE
30
ACCESSION NUMBER: 2003528279 MEDLINE
DOCUMENT NUMBER: PubMed ID: 14572912
TITLE: Characterization of the N-terminal domain of NrtC, the
ATP-binding subunit of ABC-type nitrate transporter of the
cyanobacterium *Phormidium laminosum*.
AUTHOR: Nagore Daniel; Llarena Marta; Llama Maria J; Serra
Juan L
CORPORATE SOURCE: Department of Biochemistry and Molecular
Biology, Faculty
of Science and Technology, University of the Basque
Country, 48080 Bilbao, Spain.
SOURCE: *Biochimica et biophysica acta*, (2003 Oct 13) 1623
(2-3)
143-53.
Journal code: 0217513. ISSN: 0006-3002.

PUB. COUNTRY: Netherlands
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200312
ENTRY DATE: Entered STN: 20031111
Last Updated on STN: 20031219
Entered Medline: 20031202

L5 ANSWER 70 OF 433 SCISEARCH COPYRIGHT 2004
THOMSON ISI on STN DUPLICATE

31
ACCESSION NUMBER: 2003:950426 SCISEARCH
THE GENUINE ARTICLE: 736TE
TITLE: Characterization of the N-terminal domain of NrtC, the
ATP-binding subunit of ABC-type nitrate transporter of the
cyanobacterium *Phormidium laminosum*
AUTHOR: Nagore D; Llarena M; Llama M J; Serra J L (Reprint)
CORPORATE SOURCE: Inst Vasco Invest & Desarrollo Agrario, Dept
Mol Biol, Div

Anim Hlth, Berreaga 1, E-48160 Derio, Vizcaya, Spain
(Reprint); Univ Basque Country, Fac Sci & Technol, Dept
Biochem & Mol Biol, Enzyme & Cell Technol Grp, Bilbao
48080, Spain

COUNTRY OF AUTHOR: Spain
SOURCE: BIOCHIMICA ET BIOPHYSICA ACTA-GENERAL
SUBJECTS, (13 OCT
2003) Vol. 1623, No. 2-3, pp. 143-153.
Publisher: ELSEVIER SCIENCE BV, PO BOX 211, 1000

AE
AMSTERDAM, NETHERLANDS.

ISSN: 0304-4165.
DOCUMENT TYPE: Article; Journal
LANGUAGE: English
REFERENCE COUNT: 59
*ABSTRACT IS AVAILABLE IN THE ALL AND IALL
FORMATS*

L5 ANSWER 71 OF 433 SCISEARCH COPYRIGHT 2004
THOMSON ISI on STN
ACCESSION NUMBER: 2003:657031 SCISEARCH
THE GENUINE ARTICLE: 704QL
TITLE: Defining the ***ATPase*** center of bacteriophage

T4
DNA packaging machine: Requirement for a catalytic
glutamate residue in the large terminase protein gp17
AUTHOR: Goetzinger K R; Rao V B (Reprint)
CORPORATE SOURCE: Catholic Univ Amer, Dept Biol, 103 McCort
Ward Hall, 620 Michigan Ave NE, Washington, DC 20064 USA (Reprint);
Catholic Univ Amer, Dept Biol, Washington, DC 20064 USA

COUNTRY OF AUTHOR: USA
SOURCE: JOURNAL OF MOLECULAR BIOLOGY, (1 AUG
2003) Vol. 331, No.
1, pp. 139-154.
Publisher: ACADEMIC PRESS LTD ELSEVIER SCIENCE
LTD, 24-28 OVAL RD, LONDON NW1 7DX, ENGLAND.
ISSN: 0022-2836.

DOCUMENT TYPE: Article; Journal
LANGUAGE: English
REFERENCE COUNT: 43
*ABSTRACT IS AVAILABLE IN THE ALL AND IALL
FORMATS*

L5 ANSWER 72 OF 433 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2003:249245 CAPLUS
DOCUMENT NUMBER: 139:173333
TITLE: The role of multidrug transports in drug
availability, metabolism and toxicity
AUTHOR(S): Bodo, Adrienn; Bakos, Eva; Szeri, Flora; Varadi,
Andras; Sarkadi, Balazs
CORPORATE SOURCE: Institute of Haematology and Immunology,

National
Medical Center, Membrane Research Group of the
Hungarian Academy of Sciences, Budapest, Hung.
SOURCE: Toxicology Letters (2003), 140-141, 133-143
CODEN: TOLEDS; ISSN: 0378-4274
PUBLISHER: Elsevier Science Ireland Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 36 THERE ARE 36 CITED
REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE
RE FORMAT

L5 ANSWER 73 OF 433 EMBASE COPYRIGHT 2004 ELSEVIER
INC. ALL RIGHTS
RESERVED. on STN

ACCESSION NUMBER: 2003294395 EMBASE
TITLE: The biogenesis of [Fe-S] clusters: The role of the
unorthodox ABC ***ATPase*** , SuFC, and the wider
implications for understanding iron metabolism.
AUTHOR: Richardson D.R.
CORPORATE SOURCE: D.R. Richardson, Children's Cancer Institute,
Australia for
Medical Research, Iron Metabolism/Chelation Program, High
St., Sydney, NSW 2031, Australia. d.richardson@ccia.org.au
SOURCE: Redox Report, (2003) 8/3 (125-127).
Refs: 15
ISSN: 1351-0002 CODEN: RDRPE4

COUNTRY: United Kingdom
DOCUMENT TYPE: Journal; Note
FILE SEGMENT: 029 Clinical Biochemistry
LANGUAGE: English

L5 ANSWER 74 OF 433 SCISEARCH COPYRIGHT 2004
THOMSON ISI on STN
ACCESSION NUMBER: 2003:733216 SCISEARCH
THE GENUINE ARTICLE: 713MA
TITLE: The glutathione-mediated detoxification pathway in yeast:
an analysis using the red pigment that accumulates in
certain adenine biosynthetic mutants of yeasts reveals the
involvement of novel genes

AUTHOR: Sharma K G; Kaur R; Bachhawat A K (Reprint)
CORPORATE SOURCE: Inst Microbial Technol, Sector 39-A,
Chandigarh 160036,
India (Reprint); Inst Microbial Technol, Chandigarh
160036, India

COUNTRY OF AUTHOR: India
SOURCE: ARCHIVES OF MICROBIOLOGY, (AUG 2003) Vol.
180, No. 2, pp.

108-117.
Publisher: SPRINGER-VERLAG, 175 FIFTH AVE, NEW
YORK, NY
10010 USA.
ISSN: 0302-8933.

DOCUMENT TYPE: Article; Journal
LANGUAGE: English
REFERENCE COUNT: 31
*ABSTRACT IS AVAILABLE IN THE ALL AND IALL
FORMATS*

L5 ANSWER 75 OF 433 MEDLINE on STN DUPLICATE
32

ACCESSION NUMBER: 2003161874 MEDLINE
DOCUMENT NUMBER: 22565576 PubMed ID: 12678713
TITLE: Energy dependent transport of xenobiotics and its
relevance

to multidrug resistance.

AUTHOR: Sharma Rajendra; Awasthi Yogesh C; Yang Yusong;
Sharma Abba; Singhal Sharad S; Awasthi Sanjay

CORPORATE SOURCE: Department of Human Biological Chemistry
and Genetics,

University of Texas Medical Branch, Galveston, TX

77555-0647, USA.. rasharma@utmb.edu

CONTRACT NUMBER: CA 77495 (NCI)
GM 32304 (NIGMS)

SOURCE: Curr Cancer Drug Targets, (2003 Apr) 3 (2) 89-107.

Ref:

151
Journal code: 101094211. ISSN: 1568-0096.

PUB. COUNTRY: Netherlands

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, ACADEMIC)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 200310

ENTRY DATE: Entered STN: 20030408

Last Updated on STN: 20031010

Entered Medline: 20031009

L5 ANSWER 76 OF 433 SCISEARCH COPYRIGHT 2004
THOMSON ISI on STN

ACCESSION NUMBER: 2003:92496 SCISEARCH

THE GENUINE ARTICLE: 635VQ

TITLE: Role of P-glycoprotein in pharmacokinetics - Clinical
implications

AUTHOR: Lin J H (Reprint); Yamazaki M
CORPORATE SOURCE: Merck Res Labs, Dept Drug Metab,
WP75A-203, W Point, PA

19486 USA (Reprint); Merck Res Labs, Dept Drug Metab,

W
Point, PA 19486 USA

COUNTRY OF AUTHOR: USA

SOURCE: CLINICAL PHARMACOKINETICS, (JAN 2003)

Vol. 42, No. 1, pp.

59-98.

Publisher: ADIS INTERNATIONAL LTD, 41

CENTORIAN DR,
PRIVATE BAG 65901, MAIRANGI BAY, AUCKLAND
10, NEW ZEALAND.
ISSN: 0312-5963.
DOCUMENT TYPE: General Review; Journal
LANGUAGE: English
REFERENCE COUNT: 222
*ABSTRACT IS AVAILABLE IN THE ALL AND IALL
FORMATS*

L5 ANSWER 77 OF 433 SCISEARCH COPYRIGHT 2004
THOMSON ISI on STN DUPLICATE

33
ACCESSION NUMBER: 2003:78164 SCISEARCH
THE GENUINE ARTICLE: 634JD
TITLE: On the mechanism of MgATP-dependent gating of CFTR
Cl-
channels
AUTHOR: Vergani P; Nairn A C; Gadsby D C (Reprint)
CORPORATE SOURCE: Rockefeller Univ, Lab Cardiac Membrane
Physiol, 1230 York
Ave, New York, NY 10021 USA (Reprint); Rockefeller
Univ,
Lab Cardiac Membrane Physiol, New York, NY 10021 USA;
Rockefeller Univ, Lab Mol & Cellular Neurosci, New York,
NY 10021 USA

COUNTRY OF AUTHOR: USA
SOURCE: JOURNAL OF GENERAL PHYSIOLOGY, (JAN
2003) Vol. 121, No. 1,
pp. 17-36.
Publisher: ROCKEFELLER UNIV PRESS, 1114 FIRST
AVE, 4TH FL,
NEW YORK, NY 10021 USA.
ISSN: 0022-1295.
DOCUMENT TYPE: Article; Journal
LANGUAGE: English
REFERENCE COUNT: 78
*ABSTRACT IS AVAILABLE IN THE ALL AND IALL
FORMATS*

L5 ANSWER 78 OF 433 BIOSIS COPYRIGHT 2004 BIOLOGICAL
ABSTRACTS INC. on STN
ACCESSION NUMBER: 2003:531006 BIOSIS
DOCUMENT NUMBER: PREV200300533670
TITLE: High affinity transport protein A (HatA) affects growth
rate and virulence of *Mycoplasma gallisepticum*.

AUTHOR(S): Papazisi, L. [Reprint Author]; Frasca, S. Jr. [Reprint
Author]; Liao, X. [Reprint Author]; Gladd, M. [Reprint
Author]; Gorton, T. S. [Reprint Author]; Geary, S. J.
[Reprint Author]

CORPORATE SOURCE: University of Connecticut, Storrs, CT, USA
SOURCE: Abstracts of the General Meeting of the American
Society

for Microbiology, (2003) Vol. 103, pp. G-026.
<http://www.asmusa.org/mtgsrc/generalmeeting.htm>. cd-rom.
Meeting Info.: 103rd American Society for Microbiology
General Meeting. Washington, DC, USA. May 18-22, 2003.
American Society for Microbiology.

ISSN: 1060-2011 (ISSN print).
DOCUMENT TYPE: Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)

LANGUAGE: English

ENTRY DATE: Entered STN: 12 Nov 2003

Last Updated on STN: 12 Nov 2003

L5 ANSWER 79 OF 433 BIOSIS COPYRIGHT 2004 BIOLOGICAL
ABSTRACTS INC. on STN
ACCESSION NUMBER: 2003:556047 BIOSIS

DOCUMENT NUMBER: PREV200300556784
TITLE: Genomic expression profiling of *Shewanella oneidensis*
MR-1

exposed to salt stress.
AUTHOR(S): Liu, Y. [Reprint Author]; Wei, W. [Reprint Author];
Wu, L.
[Reprint Author]; Liu, X. [Reprint Author]; Yan, T.
[Reprint Author]; Fields, M. [Reprint Author]; Thompson, D.
[Reprint Author]; Zhou, J. [Reprint Author]

CORPORATE SOURCE: Oak Ridge National Laboratory, Oak Ridge,
TN, USA
SOURCE: Abstracts of the General Meeting of the American
Society

for Microbiology, (2003) Vol. 103, pp. Q-406.
<http://www.asmusa.org/mtgsrc/generalmeeting.htm>. cd-rom.
Meeting Info.: 103rd American Society for Microbiology
General Meeting. Washington, DC, USA. May 18-22, 2003.
American Society for Microbiology.

ISSN: 1060-2011 (ISSN print).
DOCUMENT TYPE: Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)

LANGUAGE: English

ENTRY DATE: Entered STN: 26 Nov 2003

Last Updated on STN: 26 Nov 2003

L5 ANSWER 80 OF 433 BIOSIS COPYRIGHT 2004 BIOLOGICAL
ABSTRACTS INC. on STN
ACCESSION NUMBER: 2003:517866 BIOSIS

DOCUMENT NUMBER: PREV200300520153
TITLE: Characterization of a putative type I secretion system in
Legionella pneumophila.

AUTHOR(S): Jacobi, S. [Reprint Author]; Hacker, J. [Reprint
Author]; Heuner, K. [Reprint Author]

CORPORATE SOURCE: Molekulare Infektionsbiologie, Wuerzburg,
Germany
SOURCE: Abstracts of the General Meeting of the American
Society

for Microbiology, (2003) Vol. 103, pp. B-428.
<http://www.asmusa.org/mtgsrc/generalmeeting.htm>. cd-rom.

Meeting Info.: 103rd American Society for Microbiology General Meeting, Washington, DC, USA. May 18-22, 2003. American Society for Microbiology.

ISSN: 1060-2011 (ISSN print).

DOCUMENT TYPE: Conference; (Meeting) Conference; Abstract; (Meeting Abstract)

LANGUAGE: English

ENTRY DATE: Entered STN: 5 Nov 2003

Last Updated on STN: 5 Nov 2003

L5 ANSWER 81 OF 433 SCISEARCH COPYRIGHT 2004

THOMSON ISI on STN

ACCESSION NUMBER: 2003:976810 SCISEARCH

THE GENUINE ARTICLE: 739KH

TITLE: An atomic detail model for the human ATP binding cassette

transporter P-glycoprotein derived from disulphide cross-linking and homology modeling

AUTHOR: Stenham D R; Campbell J D; Sansom M S P; Higgins C F; Kerr I D (Reprint); Linton K J

CORPORATE SOURCE: Univ Nottingham, Queens Med Cir, Sch Biomed Sci.

Nottingham NG7 2UH, England (Reprint); Univ London Imperial Coll Sci Technol & Med, Sch Med, MRC, Ctr Clin Sci, London W12 0NN, England; Univ Oxford, Mol Biophys Lab, Oxford OX1 3QU, England

COUNTRY OF AUTHOR: England

SOURCE: FASEB JOURNAL, (OCT 2003) Vol. 17, No. 13.

Publisher: FEDERATION AMER SOC EXP BIOL, 9650

ROCKVILLE

PIKE, BETHESDA, MD 20814-3998 USA.

ISSN: 0892-6638.

DOCUMENT TYPE: Article; Journal

LANGUAGE: English

REFERENCE COUNT: 42

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L5 ANSWER 82 OF 433 WPIDS COPYRIGHT 2004 THOMSON DERWENT on STN DUPLICATE

34

ACCESSION NUMBER: 2003-067445 [06] WPIDS

DOC. NO. NON-CPI: N2003-052357

DOC. NO. CPI: C2003-017573

TITLE: New transgenic animals (e.g. mice) with disruptions in an ATP-binding cassette transporter-like ***ATPase*** gene, useful models for diseases or for identifying modulators of gene expression or agents for treating disease.

DERWENT CLASS: B04 D16 T01

INVENTOR(S): ALLEN, K D; MOORE, M

PATENT ASSIGNEE(S): (DELT-N) DELTAGEN INC

COUNTRY COUNT: 100

PATENT INFORMATION:

PATENT NO. KIND DATE WEEK LA PG

WO 2002079437 A2 20021010 (200306)* EN 50

RW: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT

KE LS LU MC MW MZ

NL OA PT SD SE SL SZ TR TZ UG ZM ZW

W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN

CO CR CU CZ DE DK

DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP

KE KG KP KR

KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ

NO NZ OM PH PL PT

RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US

UZ VN YU ZA ZM

ZW

APPLICATION DETAILS:

PATENT NO. KIND DATE APPLICATION DATE

WO 2002079437 A2 WO 2002-US9762 20020329

PRIORITY APPLN. INFO: US 2002-108757 20020328; US

2001-280395P

20010329; US 2001-324563P 20010924

L5 ANSWER 83 OF 433 WPIDS COPYRIGHT 2004 THOMSON DERWENT on STN DUPLICATE

35

ACCESSION NUMBER: 2003-075420 [07] WPIDS

CROSS REFERENCE: 2003-430402 [40]

DOC. NO. NON-CPI: N2003-058443

DOC. NO. CPI: C2003-019509

TITLE: Screening system for testing drugs or toxic materials for effect on ATP binding cassette (ABC) G2 half-transporter (ABCG2) protein, comprises determining the expression of ABCG2 transporter protein upon exposure to the drug or toxin.

DERWENT CLASS: B04 D16 S03

INVENTOR(S): NAGY, Z; OEVZEGY, C; SZAKACS, G;

VARADI, A

PATENT ASSIGNEE(S): (SOLVON) SOLVO BIOTECHNOLOGY INC

COUNTRY COUNT: 101

PATENT INFORMATION:

PATENT NO. KIND DATE WEEK LA PG

WO 2002071073 A2 20020912 (200307)* EN 26

RW: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT

KE LS LU MC MW MZ

NL OA PT SD SE SL SZ TR TZ UG ZM ZW

W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN

CO CR CU CZ DE DK

DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP

KE KG KP KR

KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ

NO NZ OM PH PL PT

RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US

UZ VN YU ZA ZM

ZW

EP 1370871 A2 20031217 (200402) EN

R: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU

LV MC MK NL PT

RO SE SI TR

APPLICATION DETAILS:

PATENT NO. KIND APPLICATION DATE

WO 2002071073 A2 WO 2002-HU15 20020304

EP 1370871 A2 EP 2002-704990 20020304

WO 2002-HU15 20020304

FILING DETAILS:

PATENT NO. KIND PATENT NO.

EP 1370871 A2 Based on WO 2002071073

PRIORITY APPLN. INFO: HU 2001-947 20010302

L5 ANSWER 84 OF 433 WPIDS COPYRIGHT 2004 THOMSON

DERWENT on STN

ACCESSION NUMBER: 2002-547740 [58] WPIDS

DOC. NO. NON-CPI: N2002-433640

DOC. NO. CPI: C2002-155319

TITLE: Transgenic animal useful for identifying agents that ameliorate a phenotype associated with a disruption in target genes, comprising a disruption in target genes e.g. CHD2-like gene, TDCDF1 gene or E3-like gene.

DERWENT CLASS: B04 D16 P14

INVENTOR(S): ALLEN, K D; KLEIN, R; LEVITEN, M W

PATENT ASSIGNEE(S): (DELT-N) DELTAGEN INC

COUNTRY COUNT: 99

PATENT INFORMATION:

PATENT NO. KIND DATE WEEK LA PG

WO 2002045495 A2 20020613 (200258)* EN 70

RW: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT

KE LS LU MC MW MZ

NL OA PT SD SE SL SZ TR TZ UG ZM ZW

W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN

CO CR CU CZ DE DK

DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP

KE KG KP KR

KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ

NO NZ OM PH PL PT

RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US

VN YU ZA ZM

AU 2002039539 A 20020618 (20026)

APPLICATION DETAILS:

PATENT NO. KIND APPLICATION DATE

WO 2002045495 A2 WO 2001-US46864 20011205

AU 2002039539 A AU 2002-39539 20011205

FILING DETAILS:

PATENT NO. KIND PATENT NO.

AU 2002039539 A Based on WO 2002045495

PRIORITY APPLN. INFO: US 2000-256232P 20001213; US

2000-251819P

20001206; US 2000-254314P 20001208; US

2000-255968P 20001213; US 2000-255972P

20001213; US 2000-255983P 20001213

L5 ANSWER 85 OF 433 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2002:408517 CAPLUS

DOCUMENT NUMBER: 137:741

TITLE: Inhibitors of ABC drug transporters at the blood-brain barrier for increasing brain concns. of central nervous system-active agents

INVENTOR(S): Schoenhard, Grant L.

PATENT ASSIGNEE(S): Pain Therapeutics, Inc., USA

SOURCE: PCT Int. Appl., 143 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 13

PATENT INFORMATION:

PATENT NO. KIND DATE APPLICATION NO. DATE

WO 2002041884 A2 20020530 WO 2001-US45367 20011030

WO 2002041884 C1 20031211

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ,

CA, CH, CN,

CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD,

GE, GH,

GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, LZ, LC, LK,

LR,

LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO,

NZ, OM, PH,

PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ,

UZ, VN, YU, ZA, ZM

UA,

UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD,

RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT,

BE, CH, CY,

DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,

BF,

BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD,

TG

US 6011004 A 20000104 US 1996-768221 19961217

AU 9947399 A1 19991028 AU 1999-47399 19990906

AU 2002039427 A5 20020603 AU 2002-39427 20011030

US 200307313 A1 20030417 US 2001-113 20011030

PRIORITY APPLN. INFO.: US 2000-24482P P 20000130

US 2000-245110P P 20001101

US 2000-246235P P 20001102

US 1990-612847 B1 19901113

US 1993-153796 A1 19931117

AU 1995-32769 A3 19950718

WO 2001-US45367 W 2001030

OTHER SOURCE(S): MARPAT 137:741

L5 ANSWER 86 OF 433 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2002:185280 CAPLUS

DOCUMENT NUMBER: 136:244034

TITLE: Method for increasing the effectiveness of antiinfective agents by inhibiting ecto-phosphatase and/or ***ABC*** ***transporter*** activities

INVENTOR(S): Windsor, J; Brian; Roux, S; Alan M.

PATENT ASSIGNEE(S): Board of Regents, the University of Texas System, USA

SOURCE: PCT Int. Appl., 65 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO. KIND DATE APPLICATION NO. DATE

WO 200202726 A2 20020314 WO 2001-US28242 20010907

WO 200202726 A3 20020606

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ,

CA, CH, CN,

CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD,

GE, GH,

GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, LZ, LC, LK,

LR,

LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO,

NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL, TJ, TM, TR, TT, TZ,

U, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD,

RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT,

BE, CH, CY,

DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,

BF,

BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD,

TG

AU 2001090710 A5 20020322 AU 2001-90710 20010907

US 200207365 A1 20020620 US 2001-949268 20010907

PRIORITY APPLN. INFO.: US 2000-231088P P 20000908

WO 2001-US28242 W 20010907

L5 ANSWER 87 OF 433 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2002:51660 CAPLUS

DOCUMENT NUMBER: 136:98853

TITLE: Proteins and nucleic acids associated with aging and

their detection in identification of tissues

undergoing senescence and of senescence modulators

INVENTOR(S): Burmer, Glenna; Pritchard, David; Brown, Joseph P.;

Demas, Vasiliki

PATENT ASSIGNEE(S): Lifespan Biosciences, Inc., USA

SOURCE: PCT Int. Appl., 70 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

RE FORMAT

L5 ANSWER 88 OF 433 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2002:937303 CAPLUS

DOCUMENT NUMBER: 138:20443

TITLE: Endocrine disruptor screening using DNA chips of endocrine disruptor-responsive genes

INVENTOR(S): Kondo, Akihiro; Takeda, Takeshi; Mizutani, Shigetoshi;

Tsujimoto, Yoshimasa; Takashima, Ryokichi; Enoki, Yukio; Kato, Ikuoshin

PATENT ASSIGNEE(S): Takara Bio Inc., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 386 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO. KIND DATE APPLICATION NO. DATE

JP 2002355079 A2 20021210 JP 2002-69354 20020313

PRIORITY APPLN. INFO.: JP 2001-73183 A 20010314

JP 2001-74993 A 20010315

JP 2001-102519 A 20010330

L5 ANSWER 89 OF 433 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2002:486237 CAPLUS

DOCUMENT NUMBER: 137:59285

TITLE: Screening for regulators of ATP-binding cassette transporters and their use in diagnosis and treatment of cancer and bacterial, fungal and protozoal infections

PATENT ASSIGNEE(S): Universiteit Gent, Belg.

SOURCE: Eur. Pat. Appl., 290 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO. KIND DATE APPLICATION NO. DATE

EP 1217066 A1 20020626 EP 2000-870316 20001221

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,

IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

WO 2002050114 A2 20020627 WO 2001-EP15397 20011221

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ,

CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD,

GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK,

LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO,

NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA,

UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ,

TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW,

AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE,

TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN,

TD, TG AU 2002033300 A5 20020701 AU 2002-33300 20011221

PRIORITY APPLN. INFO.: EP 2000-870316 A 20001221

WO 2001-EP15397 W 20011221

REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES

AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE

RE FORMAT

L5 ANSWER 90 OF 433 MEDLINE on STN DUPLICATE

36 ACCESSION NUMBER: 2002709188 MEDLINE

DOCUMENT NUMBER: PubMed ID: 12374800

TITLE: Characterization of drug transport, ATP hydrolysis, and

nucleotide trapping by the human ABCG2 multidrug

transporter. Modulation of substrate specificity by a point

mutation.

AUTHOR: Ozvegy Csilla; Varadi Andras; Sarkadi Balazs

CORPORATE SOURCE: Institute of Enzymology, Biological Research

Center, Hungarian Academy of Sciences and National Medical

Center, Institute of Haematology and Immunology, Membrane

Research Group of the Hungarian Academy of Sciences, H-1113

Budapest, Hungary.

SOURCE: Journal of biological chemistry, (2002 Dec 13) 277 (50)

47980-90.

Journal code: 2985121R. ISSN: 0021-9258.

PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 200301

ENTRY DATE: Entered STN: 20021217

Last Updated on STN: 20030129

Entered Medline: 20030128

L5 ANSWER 91 OF 433 MEDLINE on STN DUPLICATE

37 ACCESSION NUMBER: 2002642715 MEDLINE

DOCUMENT NUMBER: 22289401 PubMed ID: 12226074

TITLE: The "LSGGQ" motif in each nucleotide-binding domain of

human P-glycoprotein is adjacent to the opposing walker A sequence.

AUTHOR: Loo Tip W; Bartlett M Claire; Clarke David M
CORPORATE SOURCE: Canadian Institutes for Health Research Group in Membrane

Biology, Department of Medicine, University of Toronto,
Ontario M5S 1A8, Canada.

CONTRACT NUMBER: CA80900 (NCI)

SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (2002 Nov 1) 277 (44)
41303-6.

Journal code: 2985121R. ISSN: 0021-9258.

PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 200301

ENTRY DATE: Entered STN: 20021029

Last Updated on STN: 20030118

Entered Medline: 20030117

L5 ANSWER 92 OF 433 SCISEARCH COPYRIGHT 2004

THOMSON ISI on STN

ACCESSION NUMBER: 2002:875992 SCISEARCH

THE GENUINE ARTICLE: 60SEA

TITLE: Projection structure of P-glycoprotein by electron microscopy - Evidence for a closed conformation of the nucleotide binding domains

AUTHOR: Lee J Y; Urbatsch I L; Senior A E; Wilkens S S
(Reprint)

CORPORATE SOURCE: Univ Calif Riverside, Dept Biochem, Riverside, CA 92521
USA (Reprint); Univ Rochester, Med Ctr, Dept Biochem & Biophys, Rochester, NY 14642 USA

COUNTRY OF AUTHOR: USA

SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (18 OCT 2002) Vol. 277,
No. 42, pp. 40125-40131.

Publisher: AMER SOC BIOCHEMISTRY MOLECULAR

BIOLOGY INC, 9650 ROCKVILLE PIKE, BETHESDA, MD 20814-3996

USA. ISSN: 0021-9258.

DOCUMENT TYPE: Article; Journal

LANGUAGE: English

REFERENCE COUNT: 35

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L5 ANSWER 93 OF 433 SCISEARCH COPYRIGHT 2004

THOMSON ISI on STN

ACCESSION NUMBER: 2002:570605 SCISEARCH

THE GENUINE ARTICLE: 569PV

TITLE: The ***ATPase*** activity and the functional domain of PotA, a component of the spermidine-preferential uptake system in Escherichia coli

AUTHOR: Kashiwagi K; Inamai A; Zenda R; Tomitori H; Igarashi K
(Reprint)

CORPORATE SOURCE: Chiba Univ, Grad Sch Pharmaceut Sci, Inage Ku, 1-33 Yayoi Cho, Chiba 2638522, Japan (Reprint); Chiba Univ, Grad Sch Pharmaceut Sci, Inage Ku, Chiba 2638522, Japan

COUNTRY OF AUTHOR: Japan

SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (5 JUL 2002) Vol. 277,
No. 27, pp. 24212-24219.

Publisher: AMER SOC BIOCHEMISTRY MOLECULAR

BIOLOGY INC, 9650 ROCKVILLE PIKE, BETHESDA, MD 20814-3996

USA. ISSN: 0021-9258.

DOCUMENT TYPE: Article; Journal

LANGUAGE: English

REFERENCE COUNT: 44

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L5 ANSWER 94 OF 433 MEDLINE on STN DUPLICATE

38

ACCESSION NUMBER: 2002332949 MEDLINE

DOCUMENT NUMBER: 22050566 PubMed ID: 11919200

TITLE: Biochemical defects in retina-specific human ATP binding cassette transporter nucleotide binding domain 1 mutants associated with macular degeneration.

AUTHOR: Suarez Tatiana; Biswas Subhasis B; Biswas Esther E
CORPORATE SOURCE: Department of Laboratory Sciences, Program in

Biotechnology, Thomas Jefferson University, Philadelphia, Pennsylvania 19107, USA.

CONTRACT NUMBER: EY13113-01 (NEI)

GM36002-13 (NIGMS)

SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (2002 Jun 14) 277 (24)
21759-67.

Journal code: 2985121R. ISSN: 0021-9258.

PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 200207

ENTRY DATE: Entered STN: 20020623

Last Updated on STN: 20030105

Entered Medline: 20030275

L5 ANSWER 95 OF 433 MEDLINE on STN DUPLICATE

39

ACCESSION NUMBER: 2002642715 MEDLINE

DOCUMENT NUMBER: 22289401 PubMed ID: 12226074

TITLE: The "LSGGQ" motif in each nucleotide-binding domain of

ACCESSION NUMBER: 2002312989 MEDLINE

DOCUMENT NUMBER: 22050665 PubMed ID: 11964392

TITLE: Cooperative, ATP-dependent association of the nucleotide binding cassettes during the catalytic cycle of ATP-binding cassette transporters.

AUTHOR: Moody Jonathan E; Millen Linda; Binns Derk; Hunt John F;

Thomas Philip J

CORPORATE SOURCE: Department of Physiology, The University of Texas Southwestern Medical Center, Dallas, Texas 75390-9040, USA.

CONTRACT NUMBER: DK49835 (NIDDK)

SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (2002 Jun 14) 277 (24)
21114-.

Journal code: 2985121R. ISSN: 0021-9258.

PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 200207

ENTRY DATE: Entered STN: 20020611

Last Updated on STN: 20030105

Entered Medline: 20020725

L5 ANSWER 96 OF 433 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED, on STN

ACCESSION NUMBER: 2002436318 EMBASE

TITLE: Identification of the gene responsible for the cb1a complementation group of vitamin B(12)-responsive methylmalonic aciduria based on analysis of prokaryotic gene arrangements.

AUTHOR: Dobson C.M.; Wai T.; Leclerc D.; Wilson A.; Wu X.; Dore C.; Hudson T.; Rosenblatt D.S.; Gravel R.A.

CORPORATE SOURCE: R.A. Gravel, Department of Biochemistry, University of Calgary, Calgary, Alta. T2N 1N4, Canada. rgravel@ucalgary.ca

SOURCE: Proceedings of the National Academy of Sciences of the United States of America, (26 Nov 2002) 99/24 (15554-15559). Refs: 32

ISSN: 0027-8424 CODEN: PNASA6

COUNTRY: United States

DOCUMENT TYPE: Journal; Article

FILE SEGMENT: 029 Clinical Biochemistry

LANGUAGE: English

SUMMARY LANGUAGE: English

L5 ANSWER 97 OF 433 SCISEARCH COPYRIGHT 2004

THOMSON ISI on STN

ACCESSION NUMBER: 2002:421410 SCISEARCH

THE GENUINE ARTICLE: 550PA

TITLE: The first nucleotide binding domain of cystic fibrosis transmembrane conductance regulator is a site of stable nucleotide interaction, whereas the second is a site of rapid turnover

AUTHOR: Aleksandrov L; Aleksandrov A A; Chang X B; Riordan J R
(Reprint)

CORPORATE SOURCE: Mayo Clin Scottsdale, SC Johnson Med Res Ctr, 13400 E Shea Blvd, Scottsdale, AZ 85259 USA (Reprint); Mayo Fdn & Mayo

Clin Scottsdale, SC Johnson Med Res Ctr, Scottsdale, AZ 85259 USA

COUNTRY OF AUTHOR: USA

SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (3 MAY 2002) Vol. 277, No. 18, pp. 15419-15425.

Publisher: AMER SOC BIOCHEMISTRY MOLECULAR BIOLOGY INC, 9650 ROCKVILLE PIKE, BETHESDA, MD 20814-3996 USA.

ISSN: 0021-9258.

DOCUMENT TYPE: Article; Journal

LANGUAGE: English

REFERENCE COUNT: 43

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L5 ANSWER 98 OF 433 SCISEARCH COPYRIGHT 2004

THOMSON ISI on STN DUPLICATE

40

ACCESSION NUMBER: 2002:360646 SCISEARCH

THE GENUINE ARTICLE: 543HR

TITLE: Tandem function of nucleotide binding domains confers competence to sulfonylurea receptor in gating ATP-sensitive K+ channels

AUTHOR: Zingman L V; Hodgson D M; Bienengraeber M; Karger A B; Kathmann E C; Alekseev A E; Terzic A (Reprint)

CORPORATE SOURCE: Mayo Clin & Mayo Fdn, Dept Med, Div Cardiovasc Dis, 200 1St St Sw, Rochester, MN 55905 USA (Reprint); Mayo Clin & Mayo Fdn, Dept Mol Pharmacol, 55905 USA; Mayo Clin & Mayo Fdn, Dept Expt Therapeut, Div Cardiovasc Dis, Rochester, MN 55905 USA; Mayo Clin & Mayo Fdn, Dept Mol Pharmacol, 55905 USA; Mayo Clin & Mayo Fdn, Dept Expt Therapeut, Div Cardiovasc Dis, Rochester, MN 55905 USA; Russian Acad Sci, Inst Theoret & Expt Biophys, Pushchino 142290, Russia

COUNTRY OF AUTHOR: USA; Russia

SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (19
APR 2002) Vol. 277,
No. 16, pp. 14206-14210.
Publisher: AMER SOC BIOCHEMISTRY MOLECULAR
BIOLOGY INC,
9650 ROCKVILLE PIKE, BETHESDA, MD 20814-3996
USA.

ISSN: 0021-9258.
DOCUMENT TYPE: Article; Journal
LANGUAGE: English
REFERENCE COUNT: 50
*ABSTRACT IS AVAILABLE IN THE ALL AND IALL
FORMATS*

L5 ANSWER 99 OF 433 BIOSIS COPYRIGHT 2004 BIOLOGICAL
ABSTRACTS INC. on STN

DUPLICATE 41

ACCESSION NUMBER: 2002:461433 BIOSIS
DOCUMENT NUMBER: PREV200200461433

TITLE: How are the ***ABC*** ***transporters***

energized?.

AUTHOR(S): Nikaido, Hiroshi [Reprint author]

CORPORATE SOURCE: Department of Molecular and Cell Biology,
University of

California, Berkeley, CA, 94720-3206, USA

nhiroshi@uclink4.berkeley.edu

SOURCE: Proceedings of the National Academy of Sciences of the
United States of America, (July 23, 2002) Vol. 99, No. 15,

pp. 9609-9610, print.

CODEN: PNASA6. ISSN: 0027-8424.

DOCUMENT TYPE: Article

Editorial

LANGUAGE: English

ENTRY DATE: Entered STN: 28 Aug 2002

Last Updated on STN: 28 Aug 2002

L5 ANSWER 100 OF 433 MEDLINE on STN DUPLICATE

42

ACCESSION NUMBER: 2002327025 MEDLINE

DOCUMENT NUMBER: 22064971 PubMed ID: 12069597

TITLE: Nucleotide binding and nucleotide hydrolysis properties of
the ***ABC*** ***transporter*** MRP6 (ABCC6).

AUTHOR: Cai Jie; Daoud Roni; Alqawi Omar; Georges Elias;
Pelletier Jerry; Gros Philippe

CORPORATE SOURCE: Department of Biochemistry, McGill Cancer
Center, McGill

University, 3655 Sir William Osler Promenade, Montreal,
Quebec, Canada H3G 1Y6.

SOURCE: BIOCHEMISTRY, (2002 Jun 25) 41 (25) 8058-67.
Journal code: 0370623. ISSN: 0006-2960.

PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 200207

ENTRY DATE: Entered STN: 20020619

Last Updated on STN: 20020713

Entered Medline: 20020712